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MA POCOPY RESELUTION TEST CHART

USNJ 724096

USAFETAC/DS-87/0822112

THE FILE COPY



OPERATING LOCATION - A USAFETAC Air Weather Service (MAC)



REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

McGUIRE AFB NJ MSC 724096 N 40 01 W 074 36 ELEV 133 FT KWRI

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: AUG 78 - JUL 87

SUMMARY DF DAY DATA: SEP 42 - MAR 46, AUG 48 - JUL 87 DEC 1 6 1987

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REPORT DOCUMENTATION PAGE

- la. Report Security Classification: UNCLASSIFIED
- 3. <u>Distribution/Availability of Report:</u> Approved for public release; Distribution unlimited.
- 4. Performing Organization Report Number: USAFETAC/DS-87/082.
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- 6a. Name of Performing Organization: USAFETAC/OL-A
- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
- 11 Title: (RUSSWO) McGuire AFB NJ.
- 12 Personal Author(s):
- 13a Type of Report: Data Summary
- 13b Time Covered: Sep 42-Mar 46, Aug 48-Jul 87.
- 14 Date of Report: Dec 87
- 15 Page Count: 312
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- 17 . COSATI Codes: Field--04, Group--02
- 18 <u>Subject Terms:</u> *climatology; *weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); McGuire AFB NJ; Fort Dix NJ; USNJ724096.
- Asix-part statistical data summary of surface weather observations for: McGuire AFB NJ. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
- 20 Distribution/Availability of Abstract: Same as report.
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- 22a Name of Responsible Individual: Marianne L. Cavanaugh
- **Telephone:** (618)256-2625
- 22c Office Symbol: USAFETAC/LDD

DD FORM 1473UNCLASSIFIED

REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-87/082 McGuire AFB NJ (RUSSWO) Dec 1987 is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER

WALTER S. BURGMANN

Scientific and Technical Information Program Manager



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STATION NAME: MCGUIRE AFB NJ

STATION NUMBER: 724096

PERIOD OF RECORD:

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HOURLY OBSERVATIONS: AUG 77 - JUL 87

SUMMARY OF DAY DATA: SEP 42 - MAR 46. AUG 48 - JUL 87

TIME CONVERSION LST TO GHT: +5

DATE PRODUCED: 4 DEC 1987

CALL TO: KWRT

HOURS SUMMARIZED: 0000-2300 LST

OL-A/USAFETAC/MAC/AWS ASHEVILLE NC 28001

C

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEEDING EACH PART OF THE RUSSMO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-POUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, HE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0900, 090C-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSMO).

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PART D: CEILING VERSUS VISIBILITY AND SEY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COPPRISED OF THE WHO NUMBER WITH THE ADDITION OF A SUFFIX (O THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WHO NUMBER, A S-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WHO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAY OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

TATION	NO ON SUMMARY	GTATION NAME		h			· ·		1.1 /	
724		MCGUIRE AFB N. J. WRIGHT	STOWN	LATITO	40 01	W 074 36	FIELD ELEV (- 1	WRI	WMO NUMBER
, 24		STATION LOCATI								<u> </u>
UMBER OF ICATION		CEOCRAPHICAL LOCATION & HAME	TYPE OF STATION	AT THIS L	OCATION	LATITUDE	LONGITUDE	ELEVATION ABOVE HSL		DOS PER BAT
1	Fort Di	x New Jersey	AAF	Jul 42	10 Mar 46	N 40 02	W 074 36	124	128	24
2	McGuire	AFB, New Jersey	AFB	Aug 48	Jun 50	No chge	No chge	No chge	No chg	24
3	No chan	ge	AFB	Jul 50	Jun 55	No chge	No chge	120	127	24
4	No chan	g e	AFB	Jul 55	Apr 57	N 40 01	W 074 35	133	117	24
5	No chan	g e	AFB	May 57	Dec 70	N 40 00	W 074 36	No chge	148	24
6	No chan	ge	AFB	J a n 7 1	Nov 77	N 40 01	W 074 36	133	148	24
7	No chan	ge	Dec 77	Dec 83	N 40 01	W 074 36	133	148	24	
8	No Chan	ge	Jan 84	Jul 87	N 40 01	W 074 36	133	148	24	
MBER	DATE	SURFACE WI	ID EQUIPMENT	INFORMATION			Ī			
OF Cation	OF CHANCE	LOCATION		TYPE OF TRANSMITTE	TYPE OF RECORDER	HT ABOVE GROUND	T REMARKS. ADD)ITIONAL EQUIP	MENT, OR REA	SON FOR CHANGE
1	Jul 42- Feb 43	Located 250 ft. N of E-W I	≀y.	Anemome	ter N/A	24 ft.		_		
2	Mar 43- Dec 44	Located on NW wing of base ations bldg.	oper~	No chạc	e N/A	45 ft.				
3	Jan 45- Mar 46	No change.		Selsyn	ML-144	B 52 ft.				
4	Aug 48- Feb 56	Located on roof over weath	mer stn.	No chge	e No cho	e 50 ft.				
5	Mar 56- Feb 57	Located 1500 ft. from SW e Rnwy 06, 500 ft from cente Rnwy 06.	A N∕G M Q-	-11 RO-2	16 ft.					

USAFETAC FORM NOV73 C-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. CONTINUED ON REVERSE SIDE

NAME &	BATE	SURFACE WIND EQUIPMENT INFO	DRMATION			ACTUAL ACTUAL CAUGHENT OF DESCAN CAR FULMAT
OF DCATION	OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	NT ABOVE CROUND	REMARKS, ADDITIONAL EQUIPMENT. OR REASON FOR CHANGE
6	Mar 57- Feb 58	Located approx. 14 miles S of station inside of leg of triangle	AN/GMQ-1	1 RO-2	20 ft.	
7	Mar 58- May 61	formed by Rnwy 06. Located 500 ft. N and 1500 ft. from end of Rnwy 06.	No chge	No chge	25 ft.	
8	Jun 61- Dec 61	Located 500 ft from Rnwy 06, 1000 ft. SW from ILS Glide Slope Transmitter.	No chge	No chge	15 ft.	
9	Jan 62- Feb 65	1. Located 500 ft. from Rnwy 06, 1000 ft. SW from ILS Glide Slope Transmitter.	No chge	No chge	15 ft.	
		2. Located 500 ft. S of Rnwy 24 centerline, 1000 ft. from approach end of Rnwy 24.	No chge	'	15 ft.	
10	Mar 65- Sep 70	1. Rnwy 06 - 500 ft. from center, 500 ft. from approach end.	No chge	No chge	13 ft.	
	· ·	2. Rnwy 24 - 500 ft. from center, 1000 ft. from approach end.	No chg e		13 ft.	
11	0ct 70- Dec 70	1. Rnwy 06 - 400 ft. from center, 400 ft. from the end.	AN/GMQ-2		No chge	
_		2. Rnwy 24 - 400 ft. from center, 1400 ft. from end.	AN/GMQ-2		No chge	
12	Jan 71- Nov 77	1. Same 2. Same	Same Same	Same	No chge No chge	
13	Apr 80	1. Rnwy 06 - NW side of rnwy 350 Ft from center, 1000 Ft from end of	Same	Same	No chos	
		rnwy. 2. Rnwy 24 - NW side of rnwy 350 ft from center, 1000 ft from end of	Same	Same	No chge	
14.	Dec 83	rnwy. 1. Same 2. Same	Same	Same	No chge	
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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

- 1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
- 2. DATA BASED ON HOURLY OBSERVATIONS.
- 3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY HONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ATMOSPHERIC PHENOMENA SUMMARY

- A PERCENTAGE FREQUENCY OF DAYS SLMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
- 2. DATA BASED ON SUMMARY OF DAY DATA.
- 3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING MAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING MAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE
OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY
EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SHOW: ALL REPORTED BLOWING SHOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF.

THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA
VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND)
AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR. THE SUM OF
THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

- 1. A VALUE IN THE TABLES OF ".O" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
- 2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONVITIONS FROM MOJIFLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERI	00	OF	RECOP	D:	78-87
HON	TH				

								TONIH	YAL:			
FOURS (LST)	TSTMS	RAIN L/OP URIZZLE	FRZING RAIN 6/0F DRIZZLE	SNOW E/OR SLEET	+ A I L	% OAS WITH PRECIP	FOG	SMOHE E/OR HAZE	BLOWING Snow	DUST E/OR SAND	* 085 W/C857 TO VICION	TOTAL OBS
sa-as	• • • • • • • •	5.7	1.0	7.2	• • • • • • •	14.3	16.2	3.8	1.2	• • • • • • •	20.4	930
63-05		5.7	1.3	8.6		15.2	16.6	2.7	1.8		20.1	930
76-r8		5 • 7	1 •G	8.0		15 • 1	19.4	4.8	1.2		24.0	930
~9~11 I		9.0	•2	8 . 7		17.4	18.5	11.2	1.5		:9.2	930
12-14		9.0	•2	9.7		18.0	14.9	8 • 7	• 8		23.8	930
15-17		9.7	•6	6.2		15.9	16.2	9.1	1.1		25.4	930
19-27	• 1	3.9	•6	5.5		14.4	15.9	5.5	.4		20.9	930
21-23	. 1	7.3	1.7	7.2		15.6	15 • 8	4.4	. 8		19.9	930
TOTALS I	• 3	7.9	.6	7.6		15.7	16.7	6.3	1.1		:3.0	7440

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87

HAIN FRZING SNOW % OBS SMOKE DUST % OBS FOLES TSTMS 6/OR HAIN G/OR FAIL WITH FOG G/OR 6LOWING 6/OR W/CBST TOTAL OBS TSTMS 6/OF SLEET PRECIP FAZE SNOW SAND TO OBS TOTAL OBS TOTA									MONTH:	FEF		
F3-05 9.5 .c 0.0 15-1 21-2 3-1 .9 24-6 846		I TSTMS 6	70R	RAIN E/OF	E/OR	FAIL	WITH	FoG	E/0R		E/OR W/CBST SAND 10	
	0a −n ≥	1	7.6	•5	3.3	••••	16.3	19.0	3.8	.6	22,9	846
	n t- 05	1	4.5	••	u • 0		15 - 1	21.2	3.1	. 9	24.6	846
76-78 l 8.0 .1 5.2 13.4 27.0 7.1 1.2 33.2 846	26-08	l .	8	-1	5.2		15.4	27.0	7.1	1.2	33.2	846
09-11 9.5 5.9 14.8 20.9 12.1 2.0 33.3 846	^9-11	ı	9.3		5.9		14 • 8	20.9	12.1	2.3	33.3	846
12-14 .1 7.6 .4 5.6 15.7 14.9 11.9 1.9 27.4 846	12-14	1 .1	7.6	.4	5 • 6		16.0	14.9	11.9	1.9	27.4	846
15-17 9.u .4 3.8 12.6 13.0 12.6 1.2 76.2 846	15-17	1	9.4	.4	3.8		12.6	13.6	12.6	1.2	76.2	846
18-29 .2 8.7 .5 5.6 .1 14.7 13.0 9.2 .3 13.0 846	18-29	1 .2	3 . 7	•5	5.6	• 1	14.7	13.0	9 • 2	• 3	13.0	846
21-23 +1 5+0 +2 6+3 15+7 14+8 5+6 20+4 845	21-23	1 • i	1.0	•	6.3		15.	14.5	5.8	•6	20.4	845
TUTALS .; 0.7 .3 5.6 .) 14.0 18.7 8.2 1.1 .6.4 6767	TOTALS	١ .:	٠.,	•3	5 • ë	• 1	14.6	18.0	6.2	1+1	46.4	6767

GLOBAL CLIMATOLOGY BRANCH USAFLTAC

PEPCENTAGE FREQUENCY OF DECUPRENCE OF WEATHER CONVITIONS FROM HOURLY 03SERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PEPIOD	OF	RECORD:	78-87
MONTH	. MA	D	

								HOM IN				
 HOURS (LST)	ISTMS	RAIN E/OR DRIZZLE	FRZING RAIN &/OR DPIZZLE	SNOW &/OR SLEET	HAIL	% ORS WITH PRECIP	FOG	SMOKE E/OR HAZE	SNOM Browing	DUST E/OR SAND	* 085 W/CB51 TO	TOTAL
00-02 1	• • • • • • • • • • • • • • • • • • • •	12.2	••••	3.4	•••••	15 • 4	14.1	3.5		• • • • • •	16.7	930
C₹+85	.2	12.6		4.3		16.3	14.8	4.4	• 5		18.8	930
66-03 I	• 2	12.6		3.7		15.7	20 • C	9.7	•2		28.5	930
29-11	.2	12.3	•1	4.4		15.5	13.9	8.6			21.4	930
12-14	• 2	13.5		3.7		16.6	11.4	8.0			18.9	930
15-17		12.0		3 • 8		14.9	11.6	ė.5	. 1		18.3	930
18-20	. 4	13.3		3.7		13.1	10.1	5.3	- 1		15.1	930
21-23	. 4	12.2		4.1		15.7	11.3	4 • 2	• 1		14.7	93C
TOTALS 1	.2	12.2	•0	3.9		15.4	13.4	6 • 3	•2		19.0	7440

STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB NJ

PERIOD OF PECORD: 78~87 MONTH: APR

								ment in	. Mr.			
HOURS (LST)	 151MS 	RAIN L/OR DPI7ZLL	FRZING RAIN EVOR ORIZZLE	SNOW 4/OR SLEET	HAIL	2 OBS WITH PRECIP	FOC	SMOKE EVOR HAZE	BLOWING Snow	DUST E/OR SAND	# 085 W/CBST 10 VISION	TOTAL 085
ua-n2	i .e	15.4	•••••	1.2		16 - 2	20.8	4.9	• • • • • • • • •	•••••	24.4	930
03-05	1 .1	13.4		1.6		14.8	25.4	4.9			28.8	900
_6~tJ	1	15.7		1 • 3		10.7	30.7	9 • D			36.6	900
. 9-11	l .	13.3		1 - 3		14.7	17.1	7.9			23.6	900
12-14	١	13.9		1.7		15 . 3	11.3	8 • 0	•2		18.3	900
15+17		14.0		1 - 1		15.6	11.0	7.7			18.2	900
18-20	۱ .۶	13.4		• 8		14 • 2	15.0	7.0	• 3		21.3	900
21-23	l .6	15.9		. 9		10.0	17.4	4.9			21.2	500
TOTALS	1	14.4		1.2		15.4	1F.6	6 • 8	• 1		14.1	7206

GLOBAL CLIMATOLOGY BRANCH USAFLTAC

15-17 |

19-20 |

21-23 |

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

ATR WEATHER SERV	ICE/MAC				Fi	ком ноич	LY OpSERV	INTIONS					
STATION NUMBER:		-							MONTH				
FOURS (LST)		24121	RAIN E/UR DP122LE	FRZING RAIN &/OR DRIZZLE	SNOW E/OR SLEET	+ A I L	T OBS WITH PRECIP	FOG	SMOKE S/OR FAZE	SNOM Bromin ²		1 0BS	082 1014F
30-02		. 8		• • • • •		• • • • • • • •	13.2	27.8	7.1	• • • • • • • • • • • •	• • • • • •	33.2	930
03-05	1	. 6	14.3				14.3	37.5	9.0			42.4	930
06-08	1	• 2	13.5				13.5	34.2	14.8			43.0	930
79-11	l .	• 3	12.3				12 • 3	17.3	16.9			23.9	930
12-14	I	• 2	11.0				11.6	10.6	17.1			26.7	9 3 U
15-17	I	1.7	12.4				12.4	8.9	16.2			24.9	930
18-20	1	₹• 7	13.0				13.0	12.3	14.1			25.6	930
21-23	1	1.3	14 + 3				14 • 3	19.1	11.5			29.5	930
TOTALS		1.3					13.1	21.0				32.4	7446
STATION NUMBER:			ON NAME:			•••••	*******	• • • • • • • •	PER10D	OF RECORD:	78-87	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • •
	• • • • • • • • • • • • • • • • • • • •						•••••		MONTH				
FOLRS (LST)	i I		E/OR URIZZLŁ	FRZING RAIN 8/08 ORIZZLE	SLEET	HAIL	PRECIP		PAZE	BLOWING SNOW	CAND	# OPS W/CBST TO VISION	TOTAL
00+02		1.2				• • • • • • • •	7.7	24 • 2	19.2	• • • • • • • • • • • •	• • • • •	39.9	900
23-05	1	. 7	7.0				7.6	35 • 4	18.6			47.4	900
06-03	1 -	• 3	7.7				7.7	29.8	22.7			45.9	900
. 9-11	t	. 2	7.7				7 . 7	14.2	77.4			39.6	970
12-14	ı	. 6	6.5				6.7	6.4	28.7			34.2	920

6.1

17.7

18.0

10.4 26.7

s • 1

10.2

20.6

23.1

24.4

33.6

34.3

36.8

900

900

900

7200

ULOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF MEATHER CONVITIONS FROM FOURLY OBSERVATIONS

AIR MEATHER SERVICE/MAC
STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

STATION NUMBER:	724096	STATIO	ON NAME:	MC GU IR E	AFB NJ				PEP10D MONTH	OF RECORD	: 78-87		
HOURS (LST)	 	FSTMS	RAIN 6/0r Drizzle	FRZING RAIN 6/0P URIZZLE	SNOW E/OR SLEET	HAIL	% UBS WITH PRECIP	FOG	SMOKE E/OR HAZE	2NOM RFORING	DUST E/OR SAND	* 085 W/C85T TO V1510N	1014C 085
00-02	1	1.2	5.2	• • • • • • •	•• • • • • • •	•••••	5.2	31.6	29.9	• • • • • • • • •	•••••	<u>:</u> 2 • 2	930
₫3 - ₫5	ł	1.4	5 · 6				5 • 6	48.7	26.1			€1.4	930
U6+03	1	. 6	6.5				6 • 5	42.3	*2.4			£ D . 8	630
89-11	1	. 4	5.4				5.4	13.7	79.7			46.5	930
12-14	1	1.6	5.9				5.9	3.9	46.8			43.7	930
15-17	1	3.7	7.4				7 • 3	6.3	42.6			45.8	930
18-20	1	2.7	7.0				7.0	8 • C	41.2			65,9	926
21+23	1	1.9	5.8				5.8	19.4	35.7			48.9	927
TUTALS	ı	1 • 7	5				6.1	21.5	36.1			10.9	7435

STATION NUMBER: 774396 STATION NAME: MCGUIRE AFR NJ PERIOD OF RECORD: 77-86 MONTH: AUG

HOUPS (LS7)	 FSTMS 	RAIN 8/OR URIZZLE	FRZING RAIN 6/0P DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 5/OR BLOWING HAZE SNOW	DUST \$ 085 6/0R W/CBST SAND TO VISION	TOTAL
99-92	2.2	5.7			•••••	6. 7	₹4.6	30.0	53.7	930
0.7-05	1 1.2	5 • 4				a • 4	52.7	27+2	63.0	936
Q6+38	.5	5.9				5.9	51.3	₹4.1	€5.9	930
27-11	.2	5.2				5 • 2	14.7	42.2	10.6	9 3 G
12-14	٠,	ن . را				0. 0	5.€	44.9	46.7	930
15-17	7.9	5.9				0.9	6 • 8	47.3	12.4	930
19-23	1 4.5	7.4				7.4	10.0	41.7	48.9	936
21-23	ł few	7.J				7.5	71.4	76.3	. D . 2	930
PARTOT	1.0	5.3				6.3	24.7	₹8.0	54.3	7440

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PEPCENTAGE FREQUENCY OF OCCUPATINCE OF WEATHER CONVITIONS FROM FOURLY OUSERVATIONS

STATION NUMPER:	724096				AFB NJ				PEPIOD OF RECORD MONTH: SEP	D: 77-86	
HOLFS (LST)		ISTMS	RAIN &/OR DR172LL	FRZING RAIN E/OR DRIZZLE	SNO# &/OR SLEET	HAIL	1 0PS 411H PRECIP	F0G	SMOKE E/OR BLOWING FAZE SNOW	DUST % OBS G/OR W/CBST SAND TO VISION	101#L 082
ta-02	. !	3.	9.7	• • • • • • • • •		•••••	9.7	30.0	14.1	78.6	900
03-05	1	. 1	9.1				9.1	59 • €	14.2	46.1	900
£6-₽8	1	. 3	7.4				7.4	45.9	19.9	54.6	900
C9-11	1.		6.7				6.7	15.6	26.4	40.4	900
12-14	ı	. 4	6.5				6.3	6.4	29.2	33.7	900
15-17	1	. 7	6.2				6.2	6.3	29.9	35.0	900
18-20	1	1.6	8.4				8.4	11.9	25.8	34.8	900
21-23	1	1.6	9.4				9.4	22.3	20.1	37.3	900
TOTALS	1	• t	7.9				7.9	22.3	22.7	40.1	7200

STATION NUMBER:	724096 STATI	ON NAME:	MCGUIRE AFB NJ			PERIOD OF PECOP MONTH: OCT	D: 77-86	
HOURS (LST)	 15 TMS 	RAIN L/OR DRIZZLE	FRZING SNOW RAIN 8/OR	7 08' Pail With Preci	FOG	SMUKE E/OR PLOWING HAZE SNOW	DUST % OBS E/OR W/LBST SAND TO VISION	OB2
(1-02	1 .2	4.7	,	۲.	7 26.6	6.8	29.8	930
03-05	t	10.4		10.0	4 33.2	5.9	36 . 3	930
1.6−1 8	1 .2	10.5	• 1	. ن1	3 42.0	12.0	46.8	936
Ce+11	I	9.4	• 3	y .!	5 18.4	20.3	35.7	930
12-14	1 .:	9.5	• 3	9.	5 A • 7	16.0	24.3	93C
15-17	1	7.6	•1	7.	9.9	15.9	24.5	930
19+20	1 . 3	6 - 7		o •	7 14 • 0	11.7	23.7	936
21-23	1 .5	9.1		9.	n 19•2	7 • 8	23.5	933
TOTALS		9.3	-1		4 71.4	12.1	30.6	7440

GLORAL CLIMATCLOGY BRANCH USAFETAC AIR GEATHER SFRVICL/MAC

PERCENTAGE FREQUENCY OF OCCUPAENCE OF WEATHER CONDITIONS FROM FOURLY COSEPVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PEPIOD OF PECORD: 77-86 MONTH: NOV

HOURS (EST)		TSTMS	RAIN L/OF DM172LL	FRZING RAIN E/OR URIZZLE	SNOW SOVS SLEET	+ A I L	\$ 055 WITH PRECIP	FOG	SMOKE 6/or 6 Haze	LOWING SNOW	OLST E/OR SAND	* OBS W/CBST TO VISION	TOTAL OBS	
09-02	i	• • • • • • • • • •	15.2	• • • • • • • • •	.1	•••••	15.3	25.7	3.1	••••••	•••••	.8.3	900	
03-05	1	. 1	10.0		• 1		16.1	29.2	4.1			31.5	900	
56+D8	1	. 1	12.7		. 3		13.0	35.6	6 • 3			39.6	900	
09-11	ı		12.9		. 9		13 + 3	24 . 7	13.7			35.8	900	
12-14	1		11.2		. 4		11.6	13.8	14.2			26.3	900	
15-17	ſ	. 2	14.3				14 . 3	14.6	14.7			27.9	900	
18-20	ı		15.4		• 2		13.6	17.3	a.3			:4.6	900	
21-23	ı	• 2	15.5		. 3		15.3	22.2	5.0			25.9	900	
TOTALS	ı	• 1	15.0		. 3		14.1	22.9	8.7			30.0	7200	

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86

								MONTH	: DEC			
 -OURS (LST)	TSTMS	RAIN E/OR DRI7/LL	FRZING RAIN EZOF URIZZLE	SNOW E/OR SLEET	FAIL	* OBS WITH PRECIP	FOL	SMOKE E/OR PAZE	BLOWING Snow	DUST E/OR SAND	* ORS W/CBST TO VISION	TOTAL OBS
00-n2	. 1	11.2	• • • • • • • • •	2.8	•••••	13.4	20.2	4.0	.3	• • • • • •	;3.0	930
13-05 I		11.5	-1	2 • 6		14 - 1	22.8	3 . 8	. 4		25.3	936
\$6-08		11.0	•6	2.7		14 + 1	26.1	5.5	• 9		32.0	930
00-11	• 1	11.4	.3	3.2		14.6	21.3	10.8	.5		30.8	930
12-14-1		11.0		2.0		13.6	13.1	4.6	. 1		ā1.4	930
15-17		12.5		1.4		13.8	14.2	6.5			¿0.5	930
10-20		17		2.2		13.7	17.7	3.4			:0.2	930
21-23		12.5	.2	3.7		15.3	19.7	3.3			11.0	930
TOTALS 1	• .	11.7	• 4	2.5		14.1	19.5	5.7	. 3		24.3	7446

CLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF MEATHER CONLITIONS FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87 MONTH: ALL

•••••	FOURS (LST)	TSTHS	RAIN E/OR Drizzll	FRZING RAIN	SNOW E/OR SLEET	FAIL	L URS LITH PRECIP	FOG	S⊎OKE E/OR HAZE	BLOWING Snow	DUST E/OR Sand	# 085 #/c851 TO VISION	082 1017
MAL	ALL		7.9	.8	7.6		15.7	16.7	6.3	1.1		23.0	7440
FEP	1	- 1	3.9	.3	5 • 8	• 0	14.6	10.0	8.2	1.1		26.4	6767
MAH	4	• 2	12.2	•0	3.9		15.4	13.4	6.3	• 2		19.0	7440
APR	1	. 4	14.4		1 • 2		15.4	19.6	6.9	-1		24.1	7200
HAY	1	1.0	13.1				13.1	21+1	15.6			32.4	7440
JUN	ł	1.4	9.∪				à.3	18.0	24.4			39.1	7200
JUL	ı	1.7	6 • 1				0.1	21.5	76.1			50.9	7435
ALG	ı	1.9	5 • 3				6.3	24.7	18.ú			54.3	7440
SEP	i	• 6	7.9				7.9	?2+3	22.1			40.1	7200
acr	ł	• 2	9.3		• 1		7.4	21.4	12.1			70.6	7440
NOV	1	- 1	13.0		. 3		14.1	22.9	8.7			30.0	7200
DEC	ı	. 3	11.7	•2	2.5		14.1	19.5	5.7	. 3		24.3	7440
	TOTALS	. 6	13.5	.1	1 • 8	• 1	11.7	19.8	15.7	• 2		32.9	87642

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

FERCENTAGE OF DAYS WITH VARIOUS ATHOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NU

PEPIOD OF RECORD: 49-87 MONTH: ALL

MONTE		ISTHS	RAIN L/OR Unizzel	FR ZI NG H AI '; & 70 G OR I ZZ LE	SNOA E/OR SLEST	HAIL	% UBS WILE PRECIP	FOU	SMORE E/OR Fa7E	FLOWING Snow	DUST E/OR SAND	\$ 085 W/0857 TO VISION	TOTAL OBS
JAN	· i · · · ·	. 8	35.3	5.3	30.0	٠	50.3	42.1	41.8	4.2	• • • • • • •	€1.1	1209
FEB	1	1.3	34.5	2 .8	27.2	•1	£().4	43.£	40.6	4.2		1.61	1101
MAP	i	3.6	43.9	.7	19.9	• 2	53.9	43.6	75.7	2 • 2		55.8	1209
APP	1	H • 1	52.6	• 3	4.6	• 2	53.7	45.6	18.5	• 2		56.4	1176
4 A Y	1	13.5	51.3		• 2	• 2	*4.3	£4.3	48.7		. 1	66.2	1209
JUN	1	18.2	45.8			. 7	45 + 6	58.4	61.5			73.2	1176
JLL	1	22.2	43.5			• 3	43.5	64.3	71.7		•1	79.4	1209
AUΓ	í	18.8	43.1			• 3	43.1	69.7	75.9			€1.2	1178
SEF	1	9.3	*8.5			• 1	*8.5	42.4	60.1			71.9	1139
961	ı	3. 3	30.2		. 6		*6 • 6	56 • 1	°1.4		•1	66.3	1178
NOV	t	7.2	41.0		6.3	• 1	44.4	47.8	43.4	•1		£1.3	1140
⊕F C	į	• 4	29+7	2 .9	23.5		fu+3	45.5	78.8	1.4	• 1	9.8	1176
TOTALS	ŧ	1.4	42.0	1.0	9.1	• 2	46 . 8	r2.7	۰۵.5	1.0	•0	66.0	14093

 PPPPPPPP
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 TITTTTTTTT
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 B88888888

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 RRRRRRR
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PRECIPITATION, SHOWFALL AND SHOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUPMARTES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MOR ALY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASLRABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".O" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION IS NO WEALL AND SNOW DEPTH ; SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION. SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVICTIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "O" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH CAT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCUMPRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION:

".DO" EQUALS NOME FOR THE MONTH CHUNDREDTHS!

EXTREME DAILY SNOWFALL:

". D" EQUALS NOME FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH:

"O" EQUALS NOWE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SHOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "+" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLLIE MONTHS.

GLOBAL CLIMATOLOGY BRANCH USAFLITAC AIR WEATHER SERVICE/MAC PERCENTAGE FROM SUMMARY OF DAY OATA

STATION NUMBER: 724696 STATION NAME: MCGUIRE AFB NJ FEPIOD OF RECORD: 42-46, 46-A7

• • • • • • • • •	• • • • • •		• • • • • •		• • • • •	• • • • •	• • • • •	•••••	MOUNTS	IN IN	CHES	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••	· • • • • • • • • •	
 M ∪N T⊩ 	 	I I TRACE	 	I to	1 10	ŤÜ	1 10	1 10	10	13	5.01 70 12.22	10	0 V ER	L LITH	TOTAL 1		CY AMOUN	
ا ^ی هز	 °0•3 	15.5	2.4	7.4†	4.1	7.5	 6.5 	l 4.7	1.7		 			 	1333	3.14	9.19	. 3
EC to	49.9	16.3	1 2 • 4	5.7	4.1	7.2	6.4	1 4.9	1.6					33.3	1214	2.85	5.73	.7
-14 th	46.2	18.5	2.9	5•1 	4.4	7.9	6.1	5.5	2,6		į į			35.3	1332	2.87	7.50	1.1
199	46.4	17.5	3.0	7.1	4.9	6.2	6.1	5.3	2.4	•?	į	i		36.0	1260	3.74	8.19	. 7
PAY	48.9	14.4	3.1	7,7	4.7	e.8	5.4	4.5	2.5	٠,				36.7	13021	3.48	9.17	• 5
JUN	54+2	13.3	3.3	6.6	ال ١٠٠٠	6.3	5.6	4.8	2.9	•2	(32.4	1259	2.63	8 - 34	• 0
JUL	50.5	13.4	2.4	6.3	3.1	6.2	4.4	3.6	4.1	.3				30.6	1302	4,41	10.16	. 7
Apt	57.E	13.7	3.1	4.2	2.7	5.2	4.6	1.9	7.9	.7	•2			26.7	1293	4.67	15.01	. 7
.≯ D	63.5	12.1	1 1.6	4.6	3.1	5.6	4.6	4.2	7.4	۰۲				27.0	1289	2.57	9.35	. 8
PC T	53.	12.5	2-1	4.6	2.9	4.4	. 4 - 1	3.5	2.7	.4				24.5	1333	3.15	6.85	.0
·#3 7	54.7	12.1	1.9	6.9	7.5	6.8	5.3	5.8	2.6	• ,				13.2	1286	2.69	5 - 8 3	• >
C	30.3	16.4	1 4 -6	6.4	7.~	7.6	5.5	5.5 	, 3.2 	•1	,) 33.5 	1333	3.69	7 - 58	• 1
44	1 53.2	14.6	1 2.5	1 5. :	1 3.40	6.6	1 5.3	14.9	1 7.7		1 -3	1		1 32.1	15536	43.89		

CLOPAL CLIMATOLOGY BRANCH USAFETAC AIN WEATHER SERVICE/MAC

EXIFEME VALUES OF PRECIPITATION FROM DAILY OBSERVATIONS!

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NU

PEPIOD OF PECORD: 42-46, 48-87

AL						VUNIS IN N=1-H-5-	FOUR AM	24					1
MONT	LEC	NOV	001	SEP	∆UG	JUL	JUN	MAY	AP R	MAR	FEB	MAL	YEAP
• • • • • •	• • • • • • • •	• • • • • • •		• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •		• • • • • • •	• • • • • • • •	• • • • • • •	•••••	• • • • • • • •
	1.20	1.19	1.14	.94									42
4 .	1.31	.70	1.58	1.21	• 36	4 . 6 5	1.68	.97	1 .2 2	1.27	• 5 6	1 • 31	43
4.	.63	2.59	1.57	4 - 18	2.95	.45	1 • 32	. 35	1.84	1.61	- 23	• 98	44]
2.	1.54	2 • 2 4	.73	1.01	•73	2.53	1.27	. 8 4	•5 S	- 5 5	. 54	. 77	45
										1.08	• 77	. 47	46
	1.97	.85	. 75	.63	*1.26								48
2.	.38	.64	.63	•97	2.08	1.32	• U.S	.91	• 7 F	1.60	1.99	1.13	46
2.	.70	2.43	2.04	1.17	1.35	2.03	. 6 1	•85	•7 €	1.07	. 45	. 67	50
2.	1.23	1.15	2.00	.37	•65	.42	1 . 28	1.25	.76	1.61	1.15	. 70	51 1
2.	1.07	1.05	.63	2.23	2.18	2.77	1.66	1.59	2.59	1.62	1 + 01	. 58	52
2.	1.36	•9C	1.63	.75	2.51	1.05	1.11	1.15	-61	1.43	1.65	. 91	53 1
2.	1.01	1.96	.86	2.86	2 • 4 3	•66	• 32	1.29	1.74	.69	• 65	-59	54
3.	.12	.59	3 - 21	.71	2.77	.4 5	.45	.70	•73	1.56	• 79	.21	55 1
4.	1.78	1.20	1.76	2.29	1.31	4.15	.73	.74	1.29	16	1.61	.71	56
2 •	2.50	.88	1.42	. 85	.74	1.76	• b 3	.36	1.02	1.04	• 60	.23	57
₹.	.89	1.32	1.71	1.40	3.11	2.5€	· E l	1.10	1.34	2.25	2.41	1.94	56 1
2.	1.06	1.06	.89	1.10	1.56	1.59	2.24	1.26	.87	1.58	. h4	• 5R	54 1
3.	.75	.71	1.00	3.17	.93	3.87	.64	1.17	.59	. 4 4	1 • 30	. 84	61 1
1.	.79	.56	1.36	1.20	1.08	1.42	.62	1.21	1.57	1.23	. 64	. ₽ €	04 1
3.	.96	1.73	. 48	1.79	3.58	1.70	1.95	.96	1.17	1.06	. 5.7	1.26	62 1
1.	1.06	•1.23	.07	1.77	.99	• 5 4	.45	1.02	•8 3	4	.92	. 45	63
2.	1.51	.89	.96	1.17	• 32	2.23	.63	.10	.97	• 3 £	. 44	.86	64 1
2.	1.04	.45	•53	-61	•6R	2.58	,54	. 37	.5 €	. 6 9	• 73	1.44	(5)
3.	.96	.98	3.01	3.76	•51	1.05	.77	1.29	.85	.44	2.14	. 74	1 03
2.	1.97	.70	. 12	.64	2.30	1.32	1.33	1.52	1.27	23	. 01	. 71	€7 1
3.	1.31	2.13	1.39	•60	.94	49	3.45	2.75	1.26	*1.94	. 31	2.19	66 1
3.	1.54	. 75	.56	3.27	.56	1.45	1.22	1.04	.7 7	.78	. P6	.70	69 1
3.	.71	.97	1.10	.67	3 • 1 R	1.13	1.68	.86	2.00	10		•50	76. 1
9.	1.34	1.63	1.85	1.68	9 • 6 1	1.37	+1.17	1.86	1.32	.78	1.45	.63	71
3.	.82	3.46	2.33	. 73	1.90	1.03	1.83	1.65	• • • •	.13	1.10	. 15	7. 1

NOTE - - TRASED ON LESS THAN FULL MONTHS!

CONTINUED ON REXT PAGE

GLORAL CLIMATOLOGY FRANCH USAFLTAC AIR BEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PEP10D OF RECORD: 42-46, 48-87

					2		1 21 NUO						
ļ							- N - T -+ -S						ALL
YEAR !	MAL	FER	MAR	AP F	MAY	JUN	JUL	AUG	432	001	NOV	UE C	MONTHS
73 1	1.27	1.54	1.60	1.05	. 63	1.66	1.57	1.26	1.36	2.77	.40	2.66	2.77
74	. 65	• 3E	1.47	1.04	.62	.97	1.00	3.29	1.46	1.49	.74	2.41	3.29
75	1 - 14	. 24	.92	1.26	1.19	2.33	1.73	1.19	2.11	2.51	•83	.91	2.51
76	1.62	. 91	.4+	.74	.97	4.16	.23	2.22	.77	3.32	-15	1.56	4.06
77	1 • 38	1.50	1.98	.82	.48	1.45	1.50	2.00	1.43	1.67	2.98	1.35	2.96
76 [1 . 39	1.91	1.66	.7 A	2.91	.67	2.79	7.39	.62	. 44	.57	1.87	7.39
79 1	2.23	1.23	2.16	.9 3	i - 1 1	1.22	1.3F	2.29	1.83	1.21	1.15	.63	2.29
80 1	. 7.2	. 51	1.33	2.1"	.52	• 6 3	1.43	1.33	1.15	2.28	1.45	. 30	2.28
F1 !	. 19	1.29	.57	.80	1.55	2.01	1.71	4.39	1.17	. 79	•50	1.10	4.39
42 1	1.61	. 95	. 74	1.04	2.84	2.31	3.13	.50	.71	1.24	1.25	.72	3.13
P 3 1	1.46	1.39	1.46	2.2€	1.57	1.68	•>5	1.11	1.62	.96	2.14	1.44	2.26
64	• 36	1.55	2.11	1.96	2.27	3.02	1.01	1.13	.89	.82	1.01	.56	3.02
P5 1	• 3R	. 97	.53	.39	1.75	.67	1.53	.87	*2.98	1.12	1.77	. 59	·2.98
86 l	2 • 22	. 96	.96	3.69	.43	.61	2.15	1.13	1.24	.62	1.15	1.29	3.69
67	1 . 26	• 80	.42	2 . 3 1	1.03	1.74	1.73						
PEAH I	. 767	2.023	1.211	1.227	1.173	1.358	1.761	1.973	1.424	1.375	1.230	1.184	3.090
·.D. 1	. 5 37	.5m	. 43	• 65 F	.648	.837	1.001	1.807	.97	.784	.731	.: 71	1.050
AL OHS !	1 2 3 3	1214	1332	1265	1302	1259	1352	1293	1289	1333	1286	1233	15536

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLPMAL CLIMATOLOGY BRANCH CSAFETAC AID WEATHER SERVICE/MAC

MONTELY PRELIPITATION (FROM DAILY CUSERVATIONS)

STATION NUMBER: 724396 STATION NAME: MOGUINE AFR NU

PEPIOD OF RECORD: 42-46, 48-87

					TOTAL M		RECIPITA -N-T-H-S	TION IN I	NCHES		• • • • • • • • •		
YFAR I	HAL	Frü	MAR	AP G	MAY	J(₩	JL L	∆ 6ن6	SEP	ост	NOV	DEC	ALL PONTHS
42]	*****			• • • • • • • •				•••••	2.01	3.74	4.22	2.83	• • • • • • • • • • • • • • • • • • • •
43	2 • 77	1 . ! 7	2.61	2.50	3.96	4.39	7.23	1.25	2.42	6.47	2.36	1.44	38.79
44	2.99	1.22	5.18	6.09	1.21	4.58	.96	3.73	9.35	2.48	6.99	2.55	47.33
45 1	2 + 26	3.23	2.21	2.35	2.92	4.69	9.17	2.76	3.16	2.17	5.55	5.19	45.46
45 1	1 - 65	2.10	2.98										
43 1								*3.16	1.27	1.80	3.93	6.34	
4 7 1	5 • 35	5.1:	2.20	3.30	3.14	• 5 5	2.71	3.63	2.76	1.98	1.29	2.37	34.12
50 1	1.87	1.74	3.01	2.16	2.84	1.67	3.07	4.43	2.67	2.95	3.31	2.64	33.38
51	2.91	2.79	4 . 1 7	2.53	5.04	4.55	• 4 3	1.96	.82	3.84	4.96	5.29	38.45
52	4 • 35	2 . 24	5.03	6.54	4.34	2.61	5.55	7.59	2.99	.66	2.17	3.61	47.41
53 1	4.30	2 • 21	6.32	5 - 1 0	4.79	2.65	3.22	4.82	1.43	3.93	2.92	3.57	44.26
54	1.64	1.55	4.23	5.07	4.39	1	1.29	6.03	5.25	2.65	4.96	3.55	41.39
55 1	• 45	2.43	4.71	2.39	1.72	3.53	.71	9 • 8 8	2.43	6.40	1.27	.16	36.28
50 1	2 • 95	5.17	5.47	3.09	2.49	2.28	10.16	3.59	4.87	5.33	2.85	4.96	53.29
57 1	1 - 19	2.58	4.38	4.95	.99	1.92	4.32	.94	2.95	2.25	4.37	7.15	37.74
5a	5 - 24	5.73	5.57	5 . 3 ?	4.45	3.17	8.46	10.72	3.51	6.21	2.90	1.59	67.80
6.4	2.49	1.32	5.44	2 .6 5	1.94	3.63	7.3	5.14	2.08	2.56	3.82	4.17	42.97
6.1	3.28	5.11	1.07	2.96	3.74	2.30	7.24	3.92	7.08	1.95	2.06	2.92	43.33
c1 1	3 - 16	3.02	5.24	3.65	2.88	4.15	4.77	3.71	2.66	2.85	1.84	2.82	40.95
62 1	2 . 35	2 . 1.	3.46	3.42	1.52	5.22	3.11	8.21	3.77	1.96	5.89	2.40	44.76
63	2 - 15	2.11	5 . SA	1.17	1.89	1.15	1.45	2.47	5.29	.08	*4.61	1.98	*27.73
64	3 - 52	2 . 69	1.14	5.44	.23	1.55	4.15	.78	3.17	2.40	1.58	4.79	30.94
65	2.97	2.27	3.73	2.42	1.12	1.74	5.15	2.10	1.53	1.28	1.23	1.79	27.23
66 !	2 • 69	4.24	1.27	3.00	4.28	1.61	2.72	1.55	8.58	4.91	2.18	3.08	40.30
67	1 - 26	2.44	5.38	2.5 9	4.31	2.23	5.43	9.23	2.69	1.83	1.40	6.58	45.64
53	3.24	. 73	45.57	1.70	5.63	5.95	5.30	2.13	. 42	2.65	5.75	2.92	*42.89
44 1	2.31	1 - 16	2.57	2.57	2.12	4.46	8.41	2.29	4.25	2.11	3.03	7.58	44.26
7.4	1.81	3.01	4.56	6.25	3.12	5.19	3.43	5.12	1.46	1.67	4.48	2.42	42.77
71	2.21	4 . 94	3-12	2.37	4.25	.2.35	3.74	15.01	5.71	3.83	5.13	2.23	+54.86
72	5.11	4.77	5.17	3.59	5.75	5.57	3.39	2.56	2.62	6.85	8.83	5.22	54.63
72 1	5.11	4.77	5.17	5.57	5.75	5.57	3.39	2.56	2 • 6 2	6.85	8.83	5.22	54.63

THE . THE THAT IS STAN FULL MONTHS!

CONTINUED ON NEXT PAGE....

GLORAL CLIMATOLOGY BRANCH JSAFETAC AIR WEATHER SERVICEMAC

MONTHLY PRECIPE TATIONS)

STATION NUMBER: 774795 STATION NAME: MCGLIRE 4FB NJ

PER100 OF PECORD: 42-46, 48-87

					TOTAL M			TION IN :	INCHES				
1						-M-0	- N- T -H - S						ALL
AF 76	JAN	L CS	MAR	AP F	MAY	JUN	JUL	ΔUG	₹£ P	061	NOV	[E C	MONTHS
	••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •		••••••••	• • • • • • • •	• • • • • • • •	••••	• • • • • • • •	• • • • • • • •	•••••	• • • • • • • • • •	• • • • • • • • • • • •
73	3.51	2.73	4.23	6.24	3.73	4.53	3.89	2.13	4.90	3.07	1.18	7.56	47.95
74	2.68	1.93	5.14	2.86	3.02	3.04	1.58	7.16	5.37	2 + 71	1.30	6.21	43.20
75 H	5.35	2.95	3.53	3.88	4 + 3 2	8 . 34	6.37	2.42	8.31	5.19	2.88	2.74	56.08
76 1	4 . 24	2.29	1.50	1.27	2.53	5 • 5 1	1.29	4.12	1.66	6.76	.24	2.50	33.97
77	2.57	1.93	3.91	3 4 3	1.13	3.42	2.52	9.30	4.66	4.17	8.60	6.14	51.62
78	7 . 75	2.72	5.33	1.85	6.49	4.62	5.61	13.26	1.60	1.25	2.38	5 • 5 5	56.31
79	9.17	5.10	4.15	3.04	4.93	4.79	3.16	6.99	5.62	3.28	4.14	2.20	56.67
aj j	2 . 35	. 79	7.22	4.6~	2 • 32	2.33	2.62	2.16	2.52	3.71	3.67	.78	35.47
Fi i	. 31	4.68	1.30	4 .4 4	4.35	4.98	2.69	5.96	3.01	3.65	1.61	4.14	40.82
e 2 1	4.46	1.97	2.37	5.21	4.37	6.21	4.57	2.04	3.11	1.58	3.29	1.99	41.17
93 j	2.83	2.66	7.5 ن	9.19	6.67	5.02	1.43	3.19	3.73	4.02	7.84	6.41	59.48
d4 1	1.30	3.91	7.37	5.57	9.17	5.66	5.02	1.75	2.28	3.24	2.96	2.45	51.58
35 İ	1.25	2.46	2.11	.74	3.97	2.97	4.90	3.25	•4.64	1.59	7.24	.99	*36.11
36 (4.21	2.34	2.35	6.34	•68	1.30	7.66	3.14	4.07	1.80	5.97	5.36	45.42
37	5 • 35	1.64	2.61	5.69	3.83	5.56	8,55			-			
	******	••••••	••••••	7 70 7			4 . 4 <u>)</u> 4	4.673	3.567	3.154	3.690		
4can	3.140	2.952	3.965	3 . 74 3	3.480	3.637						3,692	44.263
2 • J • 1	1.764	1.274	1.552	1 - 74 8	1.811	1.789	2 . 48 2	3.404	2.043	1.681	2.138	1.556	8.242
TAL OUS [1 433	1214	1332	1 26 C	1302	1250	1 302	1293	1787	1333	1286	1333	15536

NOTE . * (BASED ON LESS THAN FULL MONTHS)

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ULDJAL CLIMATOLOGY BRANCH USAFLTAC AIP WEATHEP SERVICE/MAC

PERCENTAGE FREQUENCY OF DICCURRENCE OF SNOWFALL FROM SLMMARY OF DAY DATA

214110	ON NUMBE	R: 724	J96 9	STATIC	N HAM	E: 40	GU IR E	4 F B	L				PEPIOD (F RECORD): 46,	46-87		
	• • • • • • •	• • • • • •	• • • • • •		• • • • •				2 1 NU OM 8	IN IN	HES	•••••		• • • • • • • •		•••••	• • • • • • •	
i	1 1	l J	0.1	1 7.51	1.51	2.5 l	3.5				15.5 1		OVER		TOTAL	KONTI	HLY AMO	UNTS
1	! !	. !	TO.	Tol	10		то I	TO	10 1	C1	TO I	10		WITH MEAS	i oas 1			
я эу Тн	NONE	TRACE	0 • 4	1.4	2.41	3.4	4.4	5 • 4	1 10.41	15.4	25.4	73.4	1 5 ' • 4	MEAS :		MEAN	GREATE	ST LEA
							· • • • • •		,									
	!	İ			1		1		! [1		!	[• • •	
1, 40	70.4	17.7	3.7	1 3.41	2.81	.81	.71	• 6	.5 1	•1	. !) }	12.6	1246	E . 7	18.4	TRACE
153	12.9	14.9	3 • 7	3.8	1.2	1.7	.8	. 4	.4	. 3	.1		<u>.</u>	12.2	1128	7.0	27.2	TRACE
MV IS	30.5	12.1	2.3	2.2	1.3	. 2	.2	.6	.3		-1		į	7.3	1239	4.3	26.8	.0
äP ₹	[95•6		•2	{	.11	. 1	•1	• 1	, ,					.9	1170	• 5	9.4	. 9
Y AM	1 49.8	1 1 1 •21		:	1		; ;		1 1	,) [) 		TRICE	TRACE	a .
	1	! !		1 !	- 1				!		!		1	!	1 1		•0	. 5
1,00	1133.0			1 1		1			!		1]		1	1169 	• 0	• 0	• •
JUL	1100.5	<u> </u>		(į .				i 1	i	1209	•0	•0	• 0
AC '	1113.6	<u> </u>							į				į	ĺ	1 1200	•0	•0	• 0
st P	1100.0								:				į	į	1169	•0	•0	• 0
JUT	79,2	.7							!				i		1209	TRACE	1.0	۰٥
74.3 V	93.5	l 5.4	•2	.1	. 1	•1	! ! [.1	.2	!	1 1		i	.7	1166	.7	9.6	.0
ui. C	 19.6	 14.11	2.4	i [1.8]	• 5	 •5	1 .21	. 5	1 .3	i i			1	6.4	1208	4.0	18.3	.0
	1	ł	l	1	l I	Į.	1	l	1	ř	l	I	I	I	1			
Ates	71.0	5.7	1.0	1.5	.5	; ;	1 .2		1 .1	1 .7	i	 I	1	3.3	14316	23.2		

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL

STATION NUMBER: 714096 STATION NAME: MCGUIRF AFB NJ

. PE7100 OF RECORD: 46, 48-87

1					24	-M-U-	4-1-H-2-	141,713					ALL
I PARI	JAN	FER	MAR	AP R	МАУ	NUL	JuL	AUG	SEP	0.1	NOV	CEC	MONTH
46	1.0	1.7	.0	• • • • • • • • •	•••••	•••••	• • • • • • •		• • • • • •		• • • • • • • •		
48 1								* • C	. 3	• 0	• 0	€.7	
49 [٠.5	5.7	. 6	TRACE	• 0	- U	• 7	• 0	• "	• 0	TRACE	TRICE	5.
50 1	•2	.1	. 4	TRACE	• 0	• 2	• 0	• 0	• 7	•0	TRACE	TRECE	
51	• 6.	1.4	. 5	• e	ن و	• G	.0	• 0	• ၁	• 0	TRACE	4.4	4.
52 1	1.6	TRACE	7.2	• 0	• 3	• 13	• 0	• 0	• 0	TRACE	2.0	1.0	7.
5 J	3 • 6	TRACE	6.6	TRACE	• 0	• ?	• 3	٠0	• 7	• 3	6.7	TRACE	6
54 1	5.4	TRACE	TRACE	TRACE	• 0	• 0	. 3	• 0	• 0	• 0	TRACE	TRACE	6
5 5 [2.0	4 .4	2.3	TRACE	• 0	• 3	• 3	• 0	• 0	• 0	3 • C	1.0	4.
56	3.0	1 . 7.	6.3	1.2	• 0	• 3	• C	• 0	• 0	•0	• ¢	TRACE	6
57 1	1.7	2.0	TRACE	TRACE	.0	• 2	. 3	.0	• ^	TRACE	TRACE	5.0	5
58	2.2	9.7	27.1	TRACE	• 0	• 7	• 3	• 7	٠,	.0	TRACE	• 9	20
59	2 • 8	TRACE	• 3	• 2	• 0	• 0	• 3	• 0	• 7	• 0	• 3	5.5	5
60 1	1.3	: • ٤	2.4	IPACI	• D	• 7	• 0	• 9	• 9	• 0	• 0	€.7	6
61	8.9	3.7	TRACE	TRACE	• 0	• 3	• 3	•0	• 0	•0	TRACE	3.0	6
6 d	.4	3 • 7	7.9	TRACE	• 0	• 0	• 0	• 0	• 7	1.0	TRACE	2.1	7
63 1	7.5	.7	. 3	TRACE	TRACE	.)	٠,٥	• 3	• 7	.0	*TRACE	4.9	4
64 1	6 .B	4.4	2.5	TRACE	• 0	• 2	• 0	• 0	• 7	٦.	TRACE	TRICE	6
65	14.5	.9	4.2	2. 9	• 0	٠.5	• ၁	.0	• 2	TRACE	TRACE	• 0	14
60 1	9.1	4.2	•	- r	. 0	• 0	• 0	• 0	• 0	• 0	TRACE	7.1	8
67	1.0	7.6	3.∪	• 2	.0	'n	.0	• 0	• 0	•0	8 • 6	3.3	9
66	• 3	3.0	¥4.0	• 7	• 0	• 3	• 3	. 0	• 1	• 0	• B	t • 0	6
69	1.5	6.3	6.8	. 0	. 0	• 2	• 2	• 0	. 7	. Č	TRACE	2.2	6
75 1	4.6	2.5	1.6	• 0	• n	• 3	• 0	. ñ	• ว	.0	• 0	2.1	4
71	4 .€	•5	1.1	5.8	. 0	*.7	• 0	• 0	• 0	• 0	TRACE	* • 2	5
72 1	7.:	3.3	TRACL	TRACE	• 9	. 5	. 5	• 0	• 0	TRACE	TRACE	TRACE	3
73 1	TRACE	* •6	TRACE	TRACE	• 3	• 0		.0	. 1	• 0	• 5	1.0	1
74	4.5	7.8	• 1	TRACL	• 0	• 2	• 7	• 2	. 1	•0	TRACE	TRACE	7
75	4.6	2.7	1.7	FRACE	. 0	• 7	• ó	• 0	. 1	• 0	TRACL	1.3	4
76 İ	7.0	2.5	4 . B	TPACE	• 7	• 0	• 5	•0	• n	•0	TRACE	3.9	4

NOTE . (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOSAL CLIMATOLOGY BRANCH LSAFETAC ATR WLATPER SERVICE/HAC

TOTAL OBS 1

1240

EXTREME VALUES OF SNOWFALL TRACK DAILY OBSERVATIONS!

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PEPIOD OF PECORD: 46, 48-87 SA FORW WAN THE STUDGES BOOK BAD BE AND BE AND BE AND AND SEG AUNT STUDGES BOOK BES AND BES AN 77 { 78 } 79 } .0 .3 .0 4.5 •3 •3 •9 •3 4.4 16.1 11.6 3.8 4.80 .9 .3 TRALE 6.0 Trace 7.5 4.8 4.4 3.7 4.7 14-1 TRACE II.6 £.4 .9 3.3 TRACE • 0 TPACE 8) 9 (.0 .0.0 TRACE .1 5.6 .3 1.4 16.0 e 2 6.8 12.9 9 3. 7.8 7.8 .7 3 \$ 3 4 3 5 12.9 TRACE 3.1 6.3 TRACE TRACE 3 6.3 18.0 • 0 86 87 TPACE 1.3 1.0 e. c. 1169 1169 100 100 100 2.64 3.857 1239 436 1.079 1170 .03 .67 .160 1.909 1209 1166 MEAN | 3.09 3.75 2.0. | 3.724 4.357 .003 CO3 2.79 3.546 7.24 4.143 000 000 .000 12p9 1128

1169

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NOTE . (BASED ON LESS THAN FULL MONTHS)

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SCOUNT CLIMATOLOGY BRANCH MONTHLY SNOWF ALL LEAFETAC (FROM DAILY DESERVATIONS)
AIR WEATHER SERVICE/MAC

STATION NUMPER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 48-67

					IGIAL	MONTPLY	- 3 NUAFALI - 3 - H- T - N	. IN INC	-15				ALL
Y AP	MAL	FCB	MAR	AP R	MAY	Jun	JOL 3	AUG	SEP	001	NOV	CEC	HONTH
46	! •1	1.7	•••••	• • • • • • • •	•••••	•••••	•••••		• • • • • • •	• • • • • • • •	•••••	• • • • • • • •	• • • • • • • •
48 1								*•0	• 0	• 0	• D	7 • 2	
49	6.2	8.7	.6	TRACE	• 3	• 7	• U	• 0	• 9	•0	TRACL	TRACE	15.
50 1	• 2	• 1	. 4	TRACE	• 0	• 0	• G	• C	• 7	• 0	TRACE	TRACE	
51	1.1	1.5	• 5	• :	• 0	• 0	. ព	• ၁	• 0	• 0	TRACE	4.4	7.
52 1	₹.6	TRACE	7.5	• 「	• 0	• 0	• G	• ၁	• ?	TRACE	2.0	1.0	14.
5.3	7.2	TR 1 CE.	5.0	TRACL	• 0	• 7	• S	• າ	• 0	.0	6.7	TRACE	21
4	11.0	TRACE	TRACE	TRACE	• 3	• G	• 3	• 9	. ^	۰.0	TRACE	TRACE	11
55 1	2.1	6.7	2.3	TRACE	• 0	• 3	• 0	٠٥.	•11	•0	3 • D	1.2	14
56	7.8	1.3	15.5	2.4	• ၁	• • •	• 0	• 0	• 0	•0	• 0	TRACE	26
51	7 • 2	2.7	TRACE	TRACE	• 3	• 7	• 3	• 3	• 0	TRACE	TRACE	5.6	15
53 1	3.1	14.5	25.8	TRACE	• 5	• 0	• 2	• 0	• 7	•0	TRACE	1.9	50
59	5.5	TRACL	• 5	• 2	.0	• ?	• 7	• 5	• 0	• 0	• 3	11.0	17
6) 1	2.5	3.9	A . 1	TRACL	• 3	. 0	• 0	• 0	• 0	• C	• 0	13.1	27
61	19.4	1:3.3	TRACE	TR ACE	• 3	• J	• 0	• 0	• 0	• 0	TRACE	€.8	35
52	1.1	9.5	10.5	TRACE	• 3	• 3	• 0	• 0	• 2	1.0	TRACE	2 • 7	25
63 1	5 • 3	1.7	. 5	TRACE	TRACE	• 7	• 0	• 3	• 0	.0	*TRACE	7 • 7	*15
64	5.8	13.5	5.1	TRACE	•3	. 0	• 3	•0	• 0	• 0	TRACE	TRACE	25
65 I	13.4	2.4	9.9	2.9	• 7	• 0	• 3	• 0	• 0	TRACE	TRACE	• 0	32
50 l	19.4	11.4	• 2		. 0	• 9	• 0	• 0	• 0	.0	TRACE	14.4	44
57 1	1.0	27.4	9.6	• 2	• 7	• 1	• a	• 0	• 0	.0	9.6	5 + 3	47
5a	.7	4 . 1	#6.4	• "	• 3	• າ	• 3	• 0	• 7	.5	. A	E • 9	*20
69 1	².j	10.4	15.C	• 0	• 3	• 3	• O	•0	• 7	.0	TRACE	3.6	3.2
7')	13.4	3.7	2.7	• 0	• 3	• 3	• 0	• 0	• 3	•0	• 0	ž.9	22
71	3.7	. 7	3.0	7.4	. 1	*.J	• 3	• 0	.0	. 0	TRACE	• • 2	+22
72	4.3	9.2	TRACE	TRACE	. 3	• ?	• 3	• 0	. 2	TRACE	TRACE	TRACE	13
73	TRACE	* .6	TRACE	TRACE	• 3	• 2	• 0	• 0	٠,	• 3	• 0	1.7	*2
74 İ	5.6	15.5	• 1	TRACE	• n	• C	• 0	• ว	• ?	.0	TRACE	TRACE	21
75	5.8	6.6	2.0	TRACE	• 3	• 3	• 0	• 0	• 3	•0	TRACE	3 • 2	17
75	5.4	4.6	5.2	TRACE	. 5	• 3	• 0	• 0	. 0	•0	TRACE	5 . 3	20

NOTE # (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

SLOBAL CLIMATOLOGY BRANCH MONTHLY SNOWFALL USAFETAC IFROM DAILY OBSERVATIONS I ALR WLATHER SERVICE/MAC

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PETIOD OF RECORD: 46, 48-87

1					TOTAL	MONTHLY	SNO#FAŁ - 2-4-5		+FS				4.1.1
YEAR I	JAN	FEB	MAR	APR	MAY	ปเก	JUL	AUG	<fb< th=""><th>oct</th><th>NOV</th><th>CEC</th><th>MONTHS</th></fb<>	oct	NOV	CEC	MONTHS
77	11.7	•••••	TRACL	••••••	TRACE			.0		c	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •	12.6
78	17.2	27.2	17.6	TRACE	•0	• 2	• 3	• 5	• ~	•0	4.5	. 5	62.0
79	11.5	23.2	TRACE	• 0	• 1	٠٦	• 9	• 3	• 3	TRACE	• C	6.8	36.5
43 1	4.0	• 2	6.1	TRACE	٤.	• 1	• 0	•0	• ?	٥.	TRACE	1.3	12.
+1 T	4.8	TRACI.	4.3	• -	• 3	• 2	٠.	• 0	• 0	• 0	TRACE	3.4	13.
32	15.0	• b	. 1	. 9	• 7	• •	• 3	• 0	• ?	• 0	• t	: • 6	22.
43	• 2	17.3	TRACE	2.5	• 3	• 3	• ^	• 0	• 2	•0	TRACE	• 3	20.
34	17.1	TRACE	7.3	TRACE	• 7	• n	• 0	• 0	• 0	• 0	TRACE	1.4	20.
35 I	9.1	4.5	TRACE	TRACE	.)	. 3	• 3	.0	* • 0	• 0	• 3	18.3	•32•
do	1.5	13.7	TRACE	4. ~	• 0	• 3	• 0	•0	• 7	• 0	• 🤈	• 1	13.
37 1	12.9	19.5	1.5	TRACE	• C	• 1	• 3						
MEAN [6.73	6.77	4.30	.5 7	TRACE	•02	•10	.63		.63	.69	3.97	23.5
5.0. 1	5.534	7.435	5.735	1.630	.503	• ^ 0 0	• 7JB	• 720	• 733	.160	1.900	4.113	13.29
AL OUS 1	1240	1123	1239	1170	1209	1167	1239	1200	1169	1209	1166	1238	1431

NOTE * LEASED ON LESS THAN FULL MUNTHS?

JEOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF DECURRENCE OF SNOW DEPTH FROM SUMMARY OF DAY DATA

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NU

PEPIDD OF HECURD: 42-46, 46-87

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USAFETHC CLIMATOLOGY GRANCH FXTREME VALUES OF SNOW DEPTH USAFETHC FROM DATLY OBSCRIVATIONS I ATRIBUTER SERVICE/MAC

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NU

PERIOD OF PECORD: 42-46. 48-87

ALL		NAILY SYOM DEPTH IN INCHES												
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1	7	Ð	Ö	า	o	?	7	Э	1	11	1	5	56	
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CONTINUED ON KEXT PAGE....

LEMAL CLIMATOLOGY BRANCH EXTRIME VALUES OF SINGL DEPTH USAFETAC (FROM DAILY OBSERVATIONS)
ADM GENTLER SERVICE/MAG

STATION NUMBER: 724756 STATION NAME: MCGUIRE AFB NU

PE9100 OF RECORD: 42-46, 48-87

	1	DAILY SHOW DEPTH IN INCHES -M-U-N-I-M-S-												
VEAR	JAN	FEB	MAR	⊉b n	MAY	JUN	JUL	ΑUG	SEP	0.01	40 A	CEC	ALL MONTHS	
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75	1 3	<u>!</u>	1	n	١	2	0	٥	?	r	ŋ	2		
76	2	2	5	•	a	3	G	a	7	a	2	4	9	
7.7	5	:	2	7	ü	- .	3	3	?	n	n	TRACE	9	
7.5	9	21	7	•	0	j.	3	3	C	D	1	TRICE	2 :	
79	6	15	J	, i	2	7	2	3	7	3	0	7	1 .	
4.3) ;	TRACE	4	1	ä	2	c	C	7	C	ė	1	9	
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NOTE + (RASED ON LESS THAN FULL MONTHS)

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SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGPEES.

AN ASTERISK """ IN THE TABLES INDICATES THAT THE VALUE IS RASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NELDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM POURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY TALL YEARS COMBINEDI..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITIS EQUAL TO DR GREATER THAN 1/2 MILES, THE CEILINGS ARE 20D TO 140D FELT AND/OR WHEN THE CEILING IS EQUAL TO DR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".O" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GEOGRE CELMATOLOGY BRANCH CSAFETAC AID WEATHER SERVICEZMAC

L XIPE IS VALUES OF SURFACE WINDS (CAUDITAR PERCHASION OF SERVATIONS)

STATION NUMBER: 724656 STATEON HAME: MCGUIRE AFB NJ

PEP100 OF RECOPD: 45. 48-87

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NOTES * TERSED ON LISS THAN FULL MONTES!
5 (PASED ON LESS THAN FULL MONTES AND *100 PNOTS)

CONTINUED ON REXT PAGE....

GLODAL CLIMATOLOGY ERANCH USAFETAC AIR HEATHER SERVICLAMAC

EXTREME VALUES OF SURFACE WINDS OFFICE DAILY DESERVATIONS)

STATION NUMPER: 724596 STATION NAME: MCCUIRE AFB NU

PEP10D OF RECORD: 46. 48-87

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	7 t	- 1	26/	441	321	74.	.41	341	7/ 22	1 32 .	/ 331	261 3	91	9/ 271	36/	421	34/ 32	1 35	/ 27]	29/	561	307	421	26/	44
	7.6	- 1	73/	431	321	46 1	31/	ا 2 د	37/ 41	1 . ? .	/ 271	27/ 3	41 3	32/ 271	21/	311	18/ 48	1 24	/ 321	291	461	33/	421	18/	48
	PL	- 1	21/	3€ 1	32/	36 €	61	411	281 26	27.	/ 421	22/ 3	61	30/ 481	241	361	31/ 37	9	/ 481	33/	411	30/	561	30/	56
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	13	- 1	31/	261	5/	27 1	17/	421	17/ 34		/ 361	25/ 2	21 2	267 291	31/	461	23/ 25	1 10	7 3CT	24/	391	307	43L	31/	
	F 44	1	317	31 1	41	36 1	71	471	16/ 32	1 33	1 621	37/ 3	ni a	25/ 301	28/	231	287 29	1 28	/ 301	34/	301	317	281	317	6.2
	+5	i												16/ 481										29/	
	+6	j												25/ 421										29/	
	17	i												28/ 401		- i	<i>3 . , 3</i> .	1 1	, ,,,	,	301	,,,	7"	• • • •	
																							. .		
	PEAN	i.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.61		0.31	41	. 5 1	37.6		74.AI	3.7.	01	32.71	34	1.01	33.3	1	32.01	;	8.51	₹ 0	.61	5	2.1
	5.1.		_	792		6 27 1	_			-	4501			10.0461					.6821	-	4761		481		968
7074	, ces			2231		1031					11161			1109					1043		1431		921		431
. (. , ,		'		. 421	•	1031	11	021	4 1,7 4		* * * C	116	J 1	11041	1.	701	1.44	•	10431	1	1421	11	421	13.	434
• • • • •				• • • •	• • • •	• • • •		• • • •		• • • • •	• • • • •		• • • •	• • • • • • •		• • • •				• • • •	• • • •	• • • • •			

NOTES • (PASED ON LESS THAN FULL MONTHS)
5 (RASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

CLUBAL CLIMATOLOGY BRANCH USAFITAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87
MONTH: JAN FOURSILSTI: 0000-0200 STATION NUMBER: 724096 STATION NAME: MCGUIRE AFE NU

			•••••	• • • • • • • • • • • • • • • • • • • •		n SPEED	IN KNOTS	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • • • • •
DIMECTION FORUMEST		4-6	7-10	11-16	17-21	22-27	28-33	34-4C	41-47	48-55	GE 56	TCTAL 3	MEAN WIND
ta !	2.6	4.1	4.3	1. ^	.1	•••••		• • • • • • •		• • • • • • •	• • • • • •	12.0	6.3
SNE	. e.	. 6.	1.2	• 2	. 3							2.9	7.7
118	1.1	• 1	• 9	. 9	• 1							3.5	7.0
1.66	٠, ۶	• 2	. 4	. 1						•		1.6	4.6
i.	1.2	• ?	• 4	. :								2.5	5 . 3
t sc	• ?	. 4	.6									1.4	5.9
5 £	. 3											• 3	2.3
550	.,	. '	. 1									٠٩	3.4
خ	• 5	• 6	. 4	. *	. 1							2.3	٤.7
SSW	1.4	1 • 3	. 9	. 4	. 1							4.1	€.ŋ
SW	• •	1.4	1.0									3.2	5 • 1
4 S #	.6	2.3	. 9	٠.	• 1							4.7	7.1
1 4	2.5	4.1	3.5	4 • 1	. 6	• 3						14.7	8.4
S falk	l •5	3.7	3.0	3.1	• 5	.1						11.2	9.1
••		۰, ۲	2.4	3. 7	. 9							9.4	9 • 6
*. fa si	. 4	3.7	2.2	1.5	• 2							Ŗ. 4	7.6
VARIABLE	· •	•••••		•••••		•••••	•••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •		•••••
CALM	111111111	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	////////	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,	17.0	111111
to tyf?	14.0	26.7	€2.€	15.9	3.1	.4			•			100.0	6.3

TOTAL NUMBER OF OPSERVATIONS: 230

GEOBAL CLIMATOLOGY PRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRC AFB NJ

PEPIOD OF PECORD: MONTH: JAN HOURS(LST): 0300-0500 | WIM! SPEED IN KNOTS | DIPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-4C TOTAL ME AN IDE GPEEST | MIND N 3 . 3 1.9 . 1 13.3 6.2 1.2 . 2 3.2 7.3 NNE . 4 . 6 148 . 9 .5 • 2 - 1 2.9 8.6 ENE . 5 . 1 1.9 Ł 2.7 . 2 1.3 6.9 rsc . 4 . 2 SE . 3 . 1 ٠,5 3.6 . 1 . ? . 5 5.0 555 . 1 2.8 5 1.4 . 4 . 6 . 2 6.7 3.0 55% 1.3 • ? 1.5 . 2 6.4 3.3 4.1 54 1.6 1.3 • 3 . 1 • c 1.9 5.9 7.5 3 . 2 4.3 2.4 1.4 15.8 8.9 3.1 1 . : 2 . 2 3.4 10.0 7.7 2.3 2.8 1.5 . 4 8.6 N # 7.6 1.9 Niles 2.9 CALM 17.8 /////

TOTAL NUMBER OF OBSERVATIONS:

SECRETAC STRATCHORY BRANCH

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ

4.0

2.7

2.5

2.4

1.0

. 4

. 4

2.5

1.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS

PERIOD OF PECORD:

78-87

6.5

0.0

AIR MEATHER SERVICE/MAC

MONTH: JAN HOURS(LST): 3600-0800 UTRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 29-33 34-40 41-47 48-55 GE 56 TETAL MEAN IDEGREFS) 1 1 WINDN 3.0 3.5 1.2 10.6 6.3 . 0 2.0 A NE 1.6 1.0 . 1 5.5 6.5 NE. 1.2 • 5 . 5 . 2 . 1 2.6 5.5 FNE . 5 . 1 Ł • 6 . 9 3.1 6.1 TSE . 3 6.4 . 3 . 1 Sŧ • 3 . 4 . 1 6.9 SSE • 2 • 2 . 3 5.4 ٠,0 ś 1 . 3 1.4 4.9 . 1 3.7 55. . 4 . 8 . 2 3.0 7.3 1.5 4.7 5 4 . 8 . 1 4.2 1.5 W 1.2 1.2 1.0 . 4 . 4 4.2 7.3 8.9

. 1

TOTAL HUMBLE OF OFSERVATIONS: 930

1.0

1.5

Milea

* N #

DEPOSITE CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCUPRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SPEED USAFLIAC FROM HOURLY OBSERVATIONS

ATA ATATHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
MONTH: JAN HOURS(LST): 0900-1100

1						O SPELD							
URLCTION (DEGPEES)	1-3	4 -6	7-13	1 1- 16	17-21	22+27	28-33	34-4C	41-47	4 E - 5 5	GE 56	TOTAL	ME AN WIND
ų į	1	2.7	3.8	7.9	. 1					• • • • • • •	•••••	10.4	8.4
TNL	1 • 1	2.0	1.3	• 6	. 1							5.2	6.9
144	. 6	1 • 6	2.4	. 4								5.1	6.4
ENE	. 6	, 4	. 8	• 2	. 3							2.4	6.0
· !	. 6	• 0	1.0	. 3								3.3	€.9
1.26	.5	, r,	. 2	. 4								1.7	6.4
38	• 2	• 1	• 5									• 9	6.1
SSt	• *	.5	. 1									1.7	3.9
s 1	. €	. 4	1.1	. ?								2.4	6.9
55.	• 3	• 6	1 • 3	• •	. 1							3 • 1	P . 7
5.	• 3	1.2	1.2	• 6			• 1					3.9	7.7
ا تمكيد	. 4	1.7	1.8	1.0	• 6	• 1						6.1	6.6
-	1.7	1.6	3.0	4.5	1.6	• 1	• 1					12.3	10.9
o faral	1.0	1 • 6	4.5	€. a	2 • 3	.4						15.6	11.4
lea	• 4	1.4	4.3	4.7	1.2	•3						12.7	10.7
200.5	, ;	1.5	2+3	1. F	• 2	• 3						7.0	9.6
I VARIABLE I	• • • • • • • •			•••••	• • • • • •	•••••	• • • • • • •		• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	
Ì	,,,,,,,,,	//////	,,,,,,,,	11111111	//////	///////	///////////////////////////////////////	1111111	///////	,,,,,,,,	,,,,,,,,	7.1	111111
TOTALS	11.7	18.9	29.5	24.9	5.5	1.2	• 2					100.0	A . f

FOTAL NUMBER OF OPSERVATIONS: 930

CEURAL CLIMATCLOGY PRANCH USAFLIAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PEP100 OF PECORD:

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PEP100 OF RECORD: 79-87
MONTH: JAN HOURSILST): 1200-1400

WIND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-10 11-16 17-21 27-27 28-33 34-40 41-47 46-55 GE 56 TOTAL MEAN TOPOGRESS | 1 (DEGREES) L WIND 9.0 1.4 3.3 3.5 1.3 . 3 7.4 "NE 7.2 . . 1.1 • d . 6 3.2 45 • R 1.1 . 4 2.6 7.7 FILE ٠, • 2 p .4 • 3 i . 5 1. U . 1 7.6 158 • 1 6.4 . : • 1 . 1 6.0 51, • 2 • 6 SL • 2 . 5 1.4 5.9 • 6 ۵ . 3 . 9 1.0 • ? . 2 2.5 6.1 5 SW • 3 1.0 • 5 1.9 9.3 S¥ ٠, • 6 1.7 3.8 9.2 2.0 1.2 . 9 10.1 4.8 1 - 3 2.4 3.1 11.5 1.5 2.9 . 3 3.5 6.6 1.2 16.7 12.6 1.0 2.0 5.7 Na 6.5 1.6 11.1 L.N. 10.5 1.0 2 . 3 2.7 . 1 . 1 CALA 3.5 ///// TOTALS 2.7 2.7 100.0 17.3 24.4 . 1

TOTAL NUMBER OF ORSERVATIONS: 933 STORAL CLIMATOLOGY BRANCH USAFLTAC AIR WLATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCUPRENCE UF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSCRVATIONS

STATION NUMBER	7: 7:4396	SIMILON	NAME:	MC GU IR E	AFB NJ				PERIOD MONTH:	OF RECOR	D: 78- HOLRS(LST		1700
	· · · · · · · · · · · · · · · · · · ·	• • • • • • • •	• • • • • • •	• • • • • • •		******** MD CDEET	TN KNOTS		•••••	• • • • • • • •		•••••	• • • • • • • • • • • • • • • • • • • •
DIFECTION (4 ~6	7-10	11-16		27-27			41-47	48-55	GE 56	TCTAL	ME A N
N 1	l 2,6	3.7	2.6	1.1	. 3	• • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	10.2	
i		3• '	. • 0	1.1	• ,							10.7	6.3
NE	1 . 3 1	• 5	1 • 2	• 3								2.4	7.2
'4ť	F .5	. 9	1.4	• 9	. 1							3.8	R • 2
F14F	. 3	• 6	• 6	. 5	. 3							2.5	A . 7
£		1.5	1.1	. 5	. 1							4.7	7.4
1.50	. 2	• 6	• 2	• 2	• 1							1.4	5 • ^p
S£	1 1 1	. 3	• 3									.6	6.3
5 S E	. 4	٠ ٦	• 3									1.1	4.5
\$	• 1	1.1	•9	. 4								2.5	7.6
SSN	. 5	٠.۴	1.4	. 3								3.0	6.7
2 M	, , ,	1.6	1.0	• ¢		•1	• 1					4.7	7.4
พรพ	! ! • 6	2.5	1.2	. 7	• 2	• 1						5.1	۰, ۹
•	, 9	3 • •	4.2	4.1	1.6	.5	.:					15.3	17.3
is Nai	1.6	2 • 1	4.7	5.6	2.3	. 9						17.2	11.0
Fa w	1.4	1 • 7	4,9	4.3	1.0	. 3						13.7	7.9
214 4	1.4	1.5	2.4	1. 5	1.7	•1						9.4	9.8
AVMITABEL.	• • • • • • • • • • • • • • • • • • •	•••••	•••••	• • • • • • • •	•••••	•••••		•••••	•••••	• • • • • • • •	• • • • • • • •	•••••	•••••
CALM	,,,,,,,,	,,,,,,,	//////	///////	1111111	,,,,,,,	,,,,,,,,	1111111	,,,,,,,,	,,,,,,,	,,,,,,,	5.1	111111
10116	12.5	72.9	28.4	21.7	7.0	7.7	. 4					100.1	9.5
• • • • • • • • • • • • • • • • • • • •	, • • • • • • • • • •												

TOTAL NUMBER OF ORSERVATIONS: 930

CLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND UTRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

PERIOD OF RECORD:

78-87

AIR MEATHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUINE AFB NJ

MANTH: JAN HOURS(LS1): 1830-2300 WIND SPEED IN MNOTS

DIPECTION | 1-3 4-6 7-15 11-16 17-21 22-27 26-35 34-40 41-47 48-55 GE 56 TCTAL MEAN WIND IDEGREES) | N 6.7 6.1 1.6 1.2 445 4.2 7.2 . 6 1.2 1.8 • 5 6.1 3 . 7 ., 1 . 3 1.3 • 3 . 6 3.0 FivE . 9 1.2 . 4 . 5 6.0 ٠, ٩ 2.6 6.9 e , 4 1.2 1 51 1.3 3.9 SE • 4 • 56 . } . 1 2 . * 3.5 5 - 1 1.1 - 1 . 1 3.7 . a . 1 . 2 6.1 134 1.2 1.4 1.1 3.7 7.1 . 2 5. 1.1 . 3 1.3 . 3 • 2 6.7 6.1 1.7 2.5 3. ? . 9 P.5 3.5 4.4 3.7 .5 . 1 16.3 . . . 3.4 3. 7 1.5 .5 14.7 9.4 1.0 :.0 3.0 2.2 .: 9.1 7.8 1.0 9.9 1.14% 1.7 2.2 1.1 CAL* 12.2 ///// 100.0

THAL NUMBER OF OPSERVATIONS:

FERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSCRVATIONS GEJUAL FLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICEMMAC

STATION NUMBER	R: 724796	STATION	NAME:						HONTH:		HOLRSILST		2300
UINECTION LDECREES)		4-6		11-16	17-21	ID SPEED	IN KNOTS	.			GE 56	TOTAL	MEAN Winu
N	1.6	3.4	2.8	1.4		• • • • • • •	••••••		• • • • • • • •	• • • • • • • •		9.4	7.0
TINE	.4	1.7	.9	. ?	• 3							3 • 5	7.1
NΕ	! ! • 3	٠,	1 - 1	. 3	•2							2.8	7.7
FNE	! ! .5	. 9	• 5	• 2								2.3	6.1
L	l ! .4	٠,	. 4	. 1								1.5	6.1
1.58	l J .5	• ?	• 7									1.0	4.4
3.8	, ,			. 1								. 4	4.5
rse	1 1 • C		• 2									1.3	5.9
5	1 1.1	, 1	. 4	• 4								2.9	5.7
15H	1 1.5	1.5	• 5	. 4	• 1							4.1	5.7
5 m	1 1.7	1.7	1.0	.:								4.5	4 . 8
n ú n	1 :.6	1.5	1.2	. 2	• 2							5.1	5.7
*	1 2.7	5. !	3.3			. ?						14.0	9.7
a [14]	t 1 :•"	1	3.4	? . .c	1.1	<u>,</u> 5,						11.3	10.2
'ia	1	4	3.7	i•t	• 3	.1						10.1	A • 7
* N.A.	1 1.1	3.,	2.4									17.5	A . 3
	l	-											
VARIABLE	1												•••••
CALT		,,,,,,,	//////	,,,,,,,	,,,,,,,,	1111111	////////	1111111	///////	///////	///////	15.5	/////
101465	17.1	74 + 1	22.7	16.1	3 . 7	٠,						100.0	€.5
• • • • • • • • • • • • • • • • • • • •	, • • • • • • • • •												

FORAL SUMBLE OF OPSIRVATIONS: 933

ULDEAL CLIMATOLOGY TRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFETAC FROM MOUNLY ORSERVATIONS AIR WEATHER SERVICE/MAG

PERIOD OF RECORD: 78-87

STATION NUMBER: 724096 STATION NAME: MOULINE AFB NJ

									MONTH:	JAN	FOURS (LS1	i): ALI	L
		• • • • • • •	•••••	• • • • • • • •		in SPEED	IN KNOT	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •	******	• • • • • • • • • • • • • • • • • • • •
OTHECTION (DEGREES)		4 -6	7-1.	11-16		22-21	28-33	34-4C	41-47	48-55	GE 56	TCTAL	ME A N Wind
N	1 2.0	3.5	3.2	1.5	.1	• • • • • • •	•••••	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	10.3	6.8
	l												
1.115	1 .3	1 + 3	1.1	• 5	• 1							3 . B	7.0
N ^t ,		.3	1.0	• 6	. 1	• ?						3.4	7.2
ENE		. 7	.6	• 3	. 1							2.3	7.0
Ł	i	. 7	• 9	• ;	• ?							3.0	6.6
r 5E		. 3	. 3	• 2	• 1							1.3	6.1
SF		. 1	• 2	• 1								. 7	5 • 2
* SF	į	• 3	• 2	• 1								1.0	5.0
\$		• 6	. 7	. :	• 1							2.8	6.3
154	.4	. 0	1.0	. 4	• !							3.2	6.R
S m	1.5	1.4	• 9	. 4	•0	٠٦	•					3 . 8	6.3
ماذیم		1 • 8	1.4	. 7	• 4	• ^						5.3	7.5
•	1.7	1.3	3 . 7	5 e P	1 - 3	.4	• ٦					14.5	9,4
is tu in	1.4	2.3	3 • ₽	4.0	1.6	• ^r ,						13.8	10.4
Eq. in	1 - 1	2.1	3.7	3.4	• 7	- 1						11.1	9.7
% N. a.	1.3	2.1	2 • 4	2 • 1	٠,٠	- 1	• 0					A . 1	Р.Я
VARIABLE	· !	•••••	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • •	•••••			• • • • • • • •	• • • • • • •	•••••	• • • • • • • •	•••••
CALM	111111111	///////	1111111	,,,,,,,	1111111	1111111	,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,	11.6	111111
TO TALS	15.2	22.7	25.1	19.1	5 • 1	1.2	• :					100.0	7.4
											• • • • • • • •		

TOTAL HEMBER OF ORSERVATIONS: 7440

GLOCAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS

(DECREES) 1 U⊮I⊯ N 3.2 3.9 1.4 SME . 4 1.7 3 . C 6.5 r. E 1.1 . ? 3.3 6.5 FINE . 7 3.9 A .4 4.3 5.5 Ł 2.1 ESE . 2 2.8 . 6 51 . : . c .: 4.0 15 . 4 . : 4.4 . 1 .6 . 5 : . . . 7 ٠, .: 3.2 7.2 . 24 . ? 1.5 . 7 . 1 2.6 4.4 54 1.7 1.9 4.4 4 . 1 ۱.5m 1.5 1.4 • 2 3 . P 4.5 ٠. 2.6 1.9 , ÇI . 3 5.7 4.3 -114 1.4 2 • 7 * . 1 1. " 1.2 10.6 9.0 fe w 3.5 2. 9 3.7 9.3 : . 2 . 9 11.6 SNA . . . 2.6 . 2 8.6 6.9 CAL TOTALS 20.8 2 . 7

TOTAL NUMBER OF ORSERVATIONS:

0

GLOBAL CLIMATOLOGY BRANCH USAFLTAC AIR ACATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NU

STATION NUMBER: 724096 STATION NAME: MCGUIRE 4FB NJ PEPIGO OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0300-0500

#UND SPEED IN KNOTS

UIFECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 38-40 41-47 48-55 GE 66 TCTAL MEAN toroaces)

f4	3.7	3.7	3.7	2.0	• 5			••••••	13.2	6.5
NNE		1.7	1.4	• 6					3.9	7.6
NE.		• c	• 7	. 8		• 1			3 • 3	7.8
FNE	1.7	• •	• 8	• 5	• 1				3.9	6 . A
Ĺ	1.2	1.5	.8	, 6					4.1	5.7
FSE	.2	•?	• 2						.7	5.5
3t.	.4		• 2						•6	4,4
55E	. 4	• 1		. 1					.6	4.4
\$	1.1	• •	• 1	• 2	• 2				2.5	6 • 2
554	.5	• a	• ¢	• 2	• 1				2.6	7.3
S #	1 1.4	ه .	٠,5	. 1	• 1				5.0	5 . €
# 5 #	. 9	1. *	. 1	• 1					2.8	4.2
*	1 2.7	3.5	1.4	٠,					9+2	5.0
w.tem	1.1	3 • 2	2.9	2.4	.4	•1			9.9	ė.5
fe de	1 1 1	3 • *	3.0	2.5	• 8	•5	• 1		11.1	9.3
MNA	, · · · ·	2 • 1	3.2	2.1	. 1				9.6	7.7
VAHIAPLE	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	* * * * * * * * * *	• • • • • • • •	• • • • • • • •	•••••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • •
CVFIA	1,,,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	(///////	1111111		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/ 20.0	/////
10 TALS	19.7	25.40	20.0	17.7	2 • 1	•5	• 1		100.0	5.6

TOTAL NUMBER OF QUISTRIVATIONS:

þ

CLORAL CLIMATOLOGY BRANCH USAFLTAC ATH WEATHER SERVICE/MAC

ļ

FERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF PECOPU:

79-R7

STATION NUMBER: 724096 STATION NAME: MCGLIRE AFR NJ

#IND SPEED IN KNOTS

#IND SPEED IN KNOTS

#IND SPEED IN KNOTS

#IND SPEED IN KNOTS 17-21 27-27 64-33 34-46 IDEGREEST 1 3 WIND 7.4 11 2.4 3.5 3.7 3.1 . 1 13.2 . 7 . 2 1.141 , c 1.5 4.0 7.7 . 5 . 1 ME 1. ? • 5 . 4 3.5 7.3 ٠, • 5 I NE 1.4 • 8 • 2 3.7 7.2 1.9 . 1 4.7 ESE . : 1.1 . 1 . 1 4 . ? . 6 558 . . . 7 . i 3.3 1.1 ٠, ٥ 5 1 . 4 3.5 6 . A . 1 . 4 SSH . 7 . 2 2.2 4.5 1 . 2 . 1 S la 1 • * 1.7 . 6 • 2 4.7 4.4 4 S W 1 • * . 1 . 1 3.9 3. 0 1.1 ٠, . 4 5.7 a Na 3.2 • 5 9.6 2.7 . 7 F.9 ΝW 11.2 CAL" 17.5 ///// 13.5 5 . 7

THILL NUMBER OF DISERVATIONS:

ULCOPE FELMATOLOGY PRAYOR PERCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIFFETION VERSUS WIND SPEED SCREETAC FROM HOLMELY OBSERVATIONS
**THE WINTER SERVICEMPTC

STATION NUMBER: 774095 STATICS NAME: MOSLIRE AFE NU

1		• • • • • • • •		• • • • • • • • •			TH KNOTS	· • • • • • • •	•••••	• • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • •
DERBERT !	1-3	4 -(7-40	11-16		27-21	25-33	34-40	41-47	46-55	GE 56	TCTAL 1	M£ A N □ ↑ 1 d
	1.5			ς, 4	1.7	.4				• • • • • • •	••••••	15.0	10.
nnf I	1.7	1.7	1.6	• ¢		.1						5.9	7.
:•!	• •	1.	1.2	1. '								4.8	7.
1.1	. •	1.4	. 6	. 0	• 2							7,5	7.
	. •	4	• •	• "	• !	• 1						5.7	٠.
111	• *		• •	. :	- 1							2.4	۶,
11	. 1		. 1									٠,	4,
1.51	• 5	. 4	. 4	. 1								1.4	5.
5	. 4	• •	• •	• *	. 1							2.7	P,
155	• 3	• **	4.7	. 4								2.6	7 ,
	• *	.,	• 4	• ".								2 • 5	7.
~S.	• 4		i • 7	• -								5 • 6	6
	. ,	1.4	1.2	i	. 1	•1						7.3	F.
. 44	• '	. • 4	3.€	٠. ١	1.2	. 4						11.6	10
Na.	• 4		4.5	5	• 5							13+6	9
5.Na	1.1	1 • *	2.1	' . 4	1.7	• 4						9 . A	10.
WARTAGES	• • • • • • •	••••••	•••••	• • • • • • • • • • • • • • • • • • • •		•••••							••••
CALM [.	,,,,,,,,,	,,,,,,,	,,,,,,,	11111111	1111111	,,,,,,,,	,,,,,,,,	1111111	,,,,,,,,	,,,,,,,,	,,,,,,,,	5.3	////
TOTALS 1	11.6	25 • 1	21.4	2*•:	6.0	1.5						100.0	θ.

THE NUMBER OF OFSTRUCTIONS: 946

GEOGRE CEIMATCLOGY BRANCH USAFLTAC AIR WEATHER SERVICEMMAC

PERCENTAGE FRECUENCY OF OCCUPATINCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY ORSERVATIONS

				•••••					MONTE	FEU	HOURS (LS	11: 1200-	1406
INECTION	1-3	4 -6	7-10	11-16			IN KNOTS		41-47	46-55	GF 56	TCTAL	MLAN
11F 627FS1								. .				ì	WIND
N 1	1.°	3 • 7	3.4	2.6	. 9	•					•••••	12-2	9,6
- nr	.6	2.4	1 • •	• 5								٠.٦	6.6
SeF .	• ?	• 9	1.4	1.2								3.R	۰.۹
FAE.	• 1	. 4	1.4	• 5	•?							2.6	9.5
	• :	1.5	1 - 4	• 5	• 1	.1						4.7	F • 1
r SE	.6	• "	. 7	• 2								2.0	t . 4
SF	• 4	. ?	• 5	• :								1.	6.6
FSE	• 1	1 - 1	. 4	• ;								2.0	7.6
5	• `	• 6	• 9	• •								2.7	P . 9
rsk	. "	• 4,	• €	. 4								1 • *	7.
5#	• .	• 4	. F	. 7								2.4	7.
-5-	• 2	1.1	2 • 2	1.5								5.1	۱. ۹
• !	. "	3. ^	Z • 4	2. 9	. 4	.1						9.6	٩.
-11-	. ;	2.4	5.0	··• 7	1 • 2	•5						15.6	10.
106	. 4	1 • ~	5 4 €	5+1	1.7	• 3	. 1					16.3	11.
Mills in	1 • 7	2.4	2.08	2. 7	1.1	•4						12.5	9.1
vanlable		•••••		•••••			••••••		•••••				•••••
(/L"],	,,,,,,,,,	,,,,,,,	11111111	11111111	,,,,,,,	1111111	////////	umi	,,,,,,,	,,,,,,,	///////	3.2	////
INTALS	ς, .	22.1	31.4	26.1	5.4	2.1	• :	·				100.0	9.

TOTAL MEMBER OF ORSERVATIONS: 846

SECURAL CERMATCHOGY BRANCH

PEWCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

ATH ALATHER SERVICE/MAC

STATION NUMBER: 7:4996 STATION NAME: MCGLIRE AFB NJ PERIOD OF RECORD: 79-87
MONTH: FEB HOURS(LST): 1500-1700

1 NIMB SPEED IN KNOTS
010-0110N 1 1-3 4-0 7-10 11-16 17-21 22-27 28-33 34-40 41-47 45-55 UE 56 TOTAL MEAN TOCUPLEST ! WIND .4 .1 7,6 Ι., Α. 1.4 2.0 1.2 9.7 2.2 . 5 3.9 1.145 . 1 . 7 6.2 2.0 1.2 . . ٠,, . . • 1 . 1 4.5 С. Я 1 46 . 7 . 6 . 1 . 1 2.8 ٠.٥ 1.5 4.3 6.9 • ! .5 2 - 1 6.3 ъŧ . . 7 . P . 2 1 • 6 7.2 . . . f 1.51 ٠, 5 • : . 6 1.7 7.2 154 . 1 1.9 P . 1 1.2 . 1 3.7 5. . 7 1.4 . 4 7.1 1., 9 . 2 • . 2.2 1.1 4.9 A 5 W 1 . 7 2.4 4 . 4 2. 4 .5 11.5 8.1 6. 7 . . 1.2 0.0 5.3 1.2 . 5 17.4 10.4 , n ٠, 14.5 10.7 * * . . 9.6 VARIABLE ! 676" 3.A ///// 32.9 23.5 TOTALS 25 . 7 1.7 1.7 • 1 102.3 8.5

TOTAL GUMBER OF GESERVATIONS :

GLOS AL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED CRAFTIAC FROM HOURLY OBSERVATIONS AT BEACHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NU

PEP10D OF PECORD: 78-87 MONTH: FEE HOURS(LSTI: 1830-2060

		• • • • • • •	•••••	•••••		r speed	IN KNO15	• • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •		
DIFECTION (TUFGRIES)		4-5	7-10	11-16	17-21	22-21	2-33	34-40	41-47	4 t = 55	GE "6	TCTAL %	MEAN WIND
n !	2.5	2+1	1.1	. 7	, 1	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •		6.5	5.5
4 6 5	.6	. 7	. 7	. (. 1						2.1	7.7
ŅΓ	• 2	1 • 2	2.1	. 1								3 • 7	7.0
rvi	. 4	• 6	٩.	. 4	. 1							2.5	7.7
٤	1+2	2.3	1.3	. 1	.1							4.7	5 • 6
rgr	1+2	1 - 3	. 1									2.5	3.4
SF	1.4	1 • 5	• :	• .								3.4	4 . 3
555	1.2	• •	•?	1.	. 1							2.6	4.9
3	1.4	7.7	•6	. 4								4.4	5 • 3
. S.⊭	1.4	• 6	• €	• 1	• 1							2.5	4.9
5 #	2.4	2.0	1 • 2	• 2								5.9	5.0
k S at	1.:	3.7	. 6	• 1								5.7	4.9
	1.9	3 • €	3.0	• 5	• 2							9.5	6.1
n fr m	1.3	4 . 7	4.0	1. 7	• 6	•2						12.4	۰1
's a		4 , 4	4.5	1.7	. 4	. 7						12.3	8.7
1,7, •	1.1	4.1	3 • 1	7 • 7	1 • 2	. 1						10.3	9.7
VARTAPLE	· • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • •		•••••	• • • • • • •			•••••		
(A L ⁻⁴	.,,,,,,,,	//////	///////	,,,,,,,,	111111	,,,,,,,,	,,,,,,,	,,,,,,,	1111111	,,,,,,,	,,,,,,,	9.2	111111
10116	1 32.3	34.0	24.3	** 2	3 • 2	1.2						100.0	6.2
												,	

TOTAL NUMBER OF OBSERVATIONS: - 846

GLOSAL CLIMATOLOGY BRANCH GSAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

PERIOD OF RECOPU:

78-87

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFE NJ

PERIOD OF RECOPD: 78-87

HONTH: FEP HOURS(LST): 2100-23CO

IND SPEED IN KNOTS

CIPECTION | 1-3 4-6 7-10 11-16 17-21 27-27 28-33 34-40 41-47 45-55 GE 56 TCTAL MEAN CUEGREES! 1 WIND 1.5 1.3 . 4 9.3 6.7 FNE . 4 1.9 1.2 . 6 . 1 4.1 7.6 rit • • • 6 2.5 8.0 FNE . 7 , r, 1.1 . 7 . 1 3.1 8.1 5.7 F 1.1 1.7 1.1 ESE . 7 1.1 3.1 . . . 1 1.7 3.9 . 9 . 2 51 . 4 . 1 ç 1.3 3.5 . 55 • 1 . 1 . 1 1.7 ٠, • 2 . 1 3.4 5 . 1 2.5 5.9 4.0 . t 2.1 2.5 • 1 5.4 4.5 5 * 1.3 • : 4.4 4.7 454 2.: 2.5 3.1 ء . . 2 6.6 4.7 1 - 4 2.1 17.4 9.5 286 3.4 1.8 1.5 • 1 3. • -F .4 2.1 3.7 . 0 12.2 146 2.4 12.4 9.9 1. N a 1 - 1 2.7 3. ? 2.6 • 6 . 1 VARIABLE | CALH 14.2 ///// TOTALS 27.7 11.4 3.7 100.0 5.9

TOTAL NUMBER OF OUSERVATIONS: 245 GLUBAL CLIMATOLOGY PRANCH AIR MEATHER SERVICE/MAC

_RCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM FOURLY ORSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFR NU

PERIOD OF RECORD: MONTH: FER HOURS(LST): #IND SPECO IN KNOTS
UIPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 20-33 34-40 41-47 48-55 GE 56 TOTAL MEAN IDEGREEST 1 WIND 1 Ŋ, 11.4 7.6 3 . 4 3 . C 2.2 . 1 MNE • 9 • 0 7.0 . 6 1.7 1.1 . 6 4.1 1.2 1.2 . 7 . 1 3.7 7.6 1. F • ¬ . 9 . 1 7.9 FILE • 5 3.3 . 3 1.0 E 1.1 . 4 . 1 ٠, 4.3 1 5 E • 3 . 1 ٠٥ 5.0 . 3 558 . 4 . 1 • 0 1.4 5.4 • 1 S . 6 1.0 • 2 • 0 2.8 5.5 55. . 0 . 8 i • * Sw 1. ' ۰۶ . 3 • 0 3.8 5.7 1.4 6.0 852 1 • 1 1.1 4.6 1.1 . 2 ٠, 8.2 6.7 1.5 3.7 7. 1 . 3 12.3 9.7 14 4 • 0 • 1 12.9 9.7 1.11.4 VARIABLE CIL 11.6 /////

TOTAL NUMBER OF O'SERVATIONS:

GLUBAL CELMATOLOGY PRANCH USAFETAC AIR -EATHER SEPVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POUNLY ORSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PERIOD OF PECORD: MONTH: MAP HOURS (LST): 0000-0200 #IND SPEED IN KNOTS LIRECTION | 1-7 4-6 7-10 11-16 17-21 22-27 24-33 34-40 4!-47 48-55 GE 56 TGTAL MEAN (DEDREES) HIND h | 3,2 2.5 2.0 12.5 6.3 *.NE . 3 , c, . 6 . 4 2.0 7.5 6.9 ME . 6 ٠ŧ . 4 • 2 3.5 1.6 ENE 1.0 1.3 . 3 . 5 4.7 7.2 1.0 ć. .6 • 3 2.7 5.6 E SE • 6 . 3 • 3 1.4 6.0 SF • 5 3.7 · SE • 3 1.7 . 5 1.6 6.0 5.6 5 S W 1.3 2.4 2.2 . 5 6.5 • 2 6.6 ٥. 2 • 2 4.1 1.7 • 2 3.6 2.0 4.7 4.4 WSW 1 . 3 . € . 3 1.7 1.5 1.8 5.1 • 1 6.1 1.9 . 9 4 11 h 3.7 9.7 . 1 1.1 9.2 NA 1 • 1 2.7 2.3 2.4 • 6 9.1 9.3 NNA • 3 VARIABLE CAL" 17.6 ///// TOTALS 2.4 100.0

TOTAL NUMBER OF ORSERVATIONS:

GESUAL CLIMATOLOGY BRANCH IR HEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: IDEGPEES) WIND 4 . 3 1.8 1.8 • 3 10.6 6.6 1.7 . 6 • 3 . 1 3.4 6.6 NE • 6 1.0 1.0 . 4 . 1 3.1 7.2 1. -FNE 1.7 1.4 1.3 . 2 6.7 7.9 . 1 E ٠, 1.0 1.1 2.6 5.1 . 4 FSF . 1 .6 • 1 1.3 6.2 5 E . 6 . 1 1.1 < 5 F 1 • 1 • ? • ¢ 1.4 • ? : . 6 1.0 ٠,4 5.9 6.6 1.5 ٠.6 . 4 3.9 5.3 . 5 1.6 • 2 -3-• . 2.7 5.0 1.4 2.0 1.9 1.1 6.9 7.2 . 2.0 1.5 3 . 4 1.0 . 9 9.9 ... 12.2 1. 3. ~ 7.1 7.0 4 . 3 9.4 8.0 5, N, ja 2.4 (3) 18.6 ///// 12.3 2.4 21.2 100.0

TOTAL NUMBER OF OBSERVATIONS:

STODAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

PEPIOD OF RECORD: 79-97

MONTH: MAR HOURS(LST): G600-0800

WIND SPEED IN MNOTS

DIRECTION | 1-3 4-6 7-16 11-16 17-24 22-27 28-33 78-30

(DEGREES) | MEAN WIND 6.7 13.5 2.3 3.0 1.5 1.4 • 3 NNE . 6 4.7 8 . 1 . 9 1.4 1.4 • 2 • 1 NE 4.0 6 • 3 FNE . 4 1.4 . 9 1.1 ٠.2 4.0 8.8 1.5 1.0 £ 1.9 . 6 • 1 . 1 5.2 7.5 ESE 1 - 1 . 2 1.3 2.6 51 • 3 • 2 • 9 1.4 €.7 < 5 E . ? . 1 . 8 • : s ٠, . 9 . 3 • 2 6.4 1.3 . 0 SSW 1.4 7.6 1.7 1.0 S . 1.1 1.1 6.5 1.0 1.2 . 9 3.0 1.5% 5.1 3.2 2.2 2.2 1.3 . 1 9.1 7.8 2.9 . 11 4 1.0 2.7 2.9 • 3 9.9 9.1 2.7 2.9 2.€ • 3 li a 1.0 9.5 8.6 ANN 1.3 2.2 2.8 1.6 . 1 7 . A VARIABLE COLM 15.3 ////// . າ TOTALS 24.9 25.P 16.7 1.0 100.0 6.4

IDIAL NUMBER OF OFSERVATIONS:

CLOHAL CLIMATOLOGY REFNCH USAFLTAC AIR WEATHER SERVICE/MAC

PLRCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MODRLY OBSERVATIONS

STATION NUMBER:	724096	STATION	NAME:	MC GU IR E	AFB NJ				PERIOD MONTH:	OF RECOR		87]: 0939-:	1100
	•••••	•••••	• • • • • • •	• • • • • • •			IN KNOTS		• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	•••••
DIPLOTION ! IDFUREES!	1-3	4-6	7-19	11-16			20-33		41-47	48-55	GE 56	TETAL	ME A N W I N D
u 1	1.7	3 • 2	5.6				• • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	14.3	8.6
i i	** '	3.1	3.0	J• 1								14.3	8.0
NNE	• 6	1.2	1.0	• 6	. 3							4.7	8.4
NE .	• 5	۰ ۰	2.0	• 9	• 1	. 3						4.6	9.1
FNE'	• 3	1.6	1.9	1. 2	• 2	•1						4.7	9.0
į į	• 2	1.2	2.3	1.5	• 2							5 • 7	9.5
FSE		1 - 3	•6									2 • 3	5.6
56	• ?	. 3	• 6	• 1								1.9	6.4
5 S £	• :	٠,٥	• 6	• 5								2 • 3	7.5
	• ?	1 • 1	1.1	• c	• 2	.1						3.5	9 • 1
55#	. 4	٠ ۶	1.7	. 4	• 2							3.5	8.3
5%	• ?	• 9	1.6	1. 4	.5							4.5	10.3
45h	• 5	1 • 2	2.2	1.5	• 1	٠,						5.5	9.7
- 1	• 4	1 - 1	1.7	1• °	1.7							7 • 2	11.5
9.04	• 4	1.5	2.8	3 ⋅ 8	1.6	• 5		• :				11.7	11.6
14.94	1.2	1 • •	3.0	4. ?	. 9							11.1	8.8
125.4	• -	1.7	3.3	7+ 1	• 6							9.7	10.2
VPHIARE	•	••••••	•••••		••••••	•••••	• • • • • • • •	• • • • • •	•••••	• • • • • • • •	•••••	• • • • • • • •	••••••
Crem in	(111111)	11111111	,,,,,,,	////////	1111111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	//////	,,,,,,,	///////	11111111	2.6	111111
scrus (a . Y	2.,"	33.3	27	6.6	1.5		.1				100.0	9.3

TOTAL NUMBER OF OPERNATIONS: 930

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PEPCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NU

#INO SPEED IN KNOTS
1-16 17-21 22-27 28-33 34-40 41-47 49-55 65 54 DIPECTION | 11-16 TOFUPEEST T WIND N . 4 1.0 1. 7 • 6 8.7 TINE 1.7 1.3 1.4 . 3 8.9 5.1 145 . н 1.0 . ; . 1 P.6 3.1 1.7 • 6 . 3 3.2 10.1 1.7 i . 2 1.5 • 5 Ł . t 5.7 A . 9 15 1.4 1.5 • 2 3.4 6.6 50 . ~ . 5 . 1 • 6 1.5 €.9 . . . 2 1.0 5.55 . 6 2.2 6.8 ٠, 5 ٠, 2.0 • 5 • I • 1 3.7 P . 9 < S 4 1.0 • 1 1.6 1.2 • 1 4.0 9.2 • 5 • 5 3.5 11.5 454 ٠, ۶ 2.4 1 . A . 3 5.6 10.1 2.7 3.7 2.4 1.4 . 7 10.9 11.2 ٠, 1.4 3.7 4.5 1.7 • 2 . . 12.2 13.7 14% 2.6 1.2 2.9 5.2 1.7 13.0 10.3 1.7 to to w 3.4 7. 0 1.0 . 3 10.7 VARIABLE C/L4 1.4 ///// TOTALS 1.5 . 1 19.5 27.3 8.2 100.0 9.9

FOTAL NUMBER OF OUSERVATIONS:

GLOBAL CEIMATOLOGY BRANCH

PLRCENTAGE FREQUENCY OF OCCUPRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY ORSERVATIONS

	• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •					• • • • • • •			• • • • • • • •	• • • • • •
IRECTION DECREESI	1-3	4 -6	7-10		17-21	22-27	IN KNOTS 28-33	34-4C			GE 56	TCTAL	ME A N
N .	1.1	3.2	3.2	2.7			• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	10.9	Ŗ.,
NNE I	. 5	1 • 5	1.1	1.1								4.3	8.0
NE		1.1	. 4	. 5	. 1							2.2	8 .
E NE	• 1	• 5	1.8	1.0	. 3							3.9	10.
E į	• 2	1.5	1.0	. 9								4.4	P • 1
r s e	• 3	1.9	1.9	• 2	• 1							4.5	7.
SE	• 3	1.7	1.7									2.6	7.0
.25.	• 2	1.4	1.4									3.3	6.6
2	. 1	1.3	2.5	1. 9								4.8	А.
°S>	. 1	• 9	1.7	. 6	?							3 . 4	٠.٠
5%]	• 2	• 9	1.8	1. 3	• 3	•1						4.5	10.
F54	• 2	1.0	2.7	2.2	• 1							6.1	9.
. !	٠٠	1 • ?	3.9	4.5	1.3	. e.						12.3	11 • İ
etra .	. 4	1."	2.9	4.7	1.3	• 9						11.1	12.
5 k	• 3	1.6	3.9	4.6	. 9	.2						11.5	11.
NNW	. 4	1 • 4	3.4	7. 5	. 4							9.7	9.9
VARIABLE	• • • • • • • • • • • • • • • • • • • •	•••••	•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	••••••		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •	•••••
CAL" į.	////////	///////	///////	////////	,,,,,,,	1111111	11111111	1111111	///////	(111111	,,,,,,,,	1.6	////
TOTALS	5 . 6	21.2	35.7	26.6	5.6	1.7						130.3	9.6

FOTAL NUMBER OF OFSERVATIONS: 938

SLOBAL CLIMATOLOGY RRANCH USAFLTAC AIP WEATHER SERVICEAMAC

PERCENTAGE FREGUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POUNLY ORSERVATIONS

PERIOD OF RECORD: 78-87 MONTH: MAR HOURS(LST): 1800-2000 STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NU

		• • • • • • •	•••••	•••••	 MIW	D SPEEN	IN KNOTS	• • • • • •	• • • • • • • •	• • • • • • •	•••••	• • • • • • • • • • •	•••••
DIRECTION (DEGREES)		4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 50	S TCTAL	ME A N WIND
N	1.5	2 • 4	3.0	1.€	• • • • • • • • • • • • • • • • • • •		• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	•••••	9.0	8.1
	l i											2.9	
NE	l •1	• 5	1.1	1.2									10.0
٦٤	1 .3	• 5	1.0	• 3		• 1						2.2	A • 5
ENE	. 4	٠ ٩	1.0	1.2	• 1							3.4	P . 9
Ł	٠, ٥	1.8	1.3	. 4		•1						4.5	6.6
rse	1.7	1.1	. 8		• 2							3.3	5.1
21	.5	1.7	. 4	. 4								3.3	5.6
162	2.3	2 • 4	• 2	• 1								4.9	4 • 2
2	1.6	4 . 6	3 • 1	• 3								9.7	5.6
5 S ¥	1.6	1.9	1.1	• ?								4.9	5 • 3
SW	. 4	1.6	. 9	. 3	• 1	•1						3.4	7.2
WSW	.6	1 • 6	1.3									3.5	5.7
•	1.5	4.7	2.6	1.7	. 3	•2						17.3	7.3
in the lan	1.5	2.5	2.7		• 5	. 1						9.3	9.8
N.e.	1.7	2.7	5.5	2.3	• 1	• 1						11.9	0.3
At the W		2.5	2.4	1.7	• 1							7,4	A . D
VERIABLE	! • • • • • • • • • • • • • • • • • • •		•••••	•••••	• • • • • • •	• • • • • • •		• • • • • • •	•••••	• • • • • • •		• • • • • • • • • •	
CALM		1111111	///////	11111111	///////	1111111	,,,,,,,,	,,,,,,	///////	///////	,,,,,	// 6.1	/////
TOTALS	1 15.7	32 • 2	23.2	13.9	1.9	1.1						100.0	6 . A
	· · · · · · · · · · · · · · · ·				• • • • • • •							• • • • • • • • • • •	

TOTAL NUMBER OF OPSERVATIONS: 930

GLODAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 734096 STATION NAME: MCGUIRE AFB NJ

PEPIOD OF RECORD: 78-87 MONTH: MAR HOURS(LST): 2100-2300 | HIND SPEED IN KNOTS | DIRECTION | 1-3 4-6 7-10 | 11-16 | 17-21 | 22-27 | 28-35 TOTAL 34-4C 41-47 48-55 GF 56 MEAN (DEGREES) [#IND tı 2 . 8 8 . 1 1.145 . 4 . 5 . 9 . 7 R . 3 t∔₹ 2.9 1.1 . 5 . 1 7.4 7.7 ENE 1.7 1.2 . 5 . 1 3.2 e . q 1. ť 3.0 1.7 . 5 . 6 FSE , 9 . ? • 2 1.6 5.0 . 2 . 4 • 1 1.9 2.9 SE 1 • 4 · Sı 1.1 . " 2.9 4 . 5 3 . " 3.0 • ¢, . 1 6.2 5 . 2 5% : • • 2.5 ٠, . : 1.7 . : .: S N . 5 . 3 6.2 7.4 1.6 . 2 R . 2 1. 7 2.7 2.4 2.0 . 3 7.4 0.4 2.8 1.6 NH 3 - 1 1.5 1.4 • 3 7.7 8.0 * N w WERTABLE CALV 14.1 ////// 1.1 1.7 TOTALS 100.0 6.0

FUTAL NUMBER OF OFSERVATIONS:

SLUCAL CETHATOLOGY GRANCH USAFLTAC AIR AFATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOUNLY OPSERVATION.

	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	•••••	• • • • • • • •			IN ANOTS			• • • • • • • •		• • • • • • • • • •	• • • • • •
IRECTION DEGETS)	1-3	4 -t	7-1",		17-21	22-27	2H-33	34-40	41-47	44-55	GE 56	TETAL	ME AN WIND
١.	1.9	3.7	3.7	2.1			•••••	• • • • • •	•••••		•••••	11.3	7.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• ¢	1.2	1 - 1	• +	•1							3.7	٤.
.at]	, 5	1.7	1 • P	. 5	• 1	. 1						3 • 2	7.
ENE	. 6	1.1	1.3	. 4	• 1	• 7	• 5					4.0	۰.
i	• •	1.2	1.4	. 1	• 1	• 1						4.3	1.
151	. 7		٩.	. 1	• 0							2.4	Ş.
SF	• r		• 5	. 1								1.9	٠.
isr [. 4	• 4	. 6	.:								2.6	۶.
3	1 - 1	2.0	1.9	. 6	• 1	• 3	• 3					4.6	٠.
554 1	. 9	1.4	1 • *	. 6	• 1							4,0	7.
5 .	. 7	1. '	1.0	• •	• 2	.7						4.2	7.
,	• 4:	1.7	1.3	• 6	• 1	• ^						4.1	7.
. !	1.5	2.7	2 • •	2.7	• 6	-1						E • A	۴,
પ્રયુખ [2.0	3 • 1	3. 0	• 3	. 4	• >	• ′	כ			12.3	10.
Na I	1.	2.1	3 • 1	3.1	•6	•1						17.4	٥.
Potane I	• "	1	2.9	2. ?	. 4	• `						F.6	9 ,
VIRIABLE	· · · · · · · · · · · · · · · · · · ·	••••••	• • • • • • • •			••••••	• • • • • • • • •	• • • • • •	• • • • • • • •		• • • • • • • •	•••••	••••
CAL"	111111111	1111111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11111111		11111111	,,,,,,,,,	111111	,,,,,,,,	1111111	,,,,,,,,	9.7	1111
TOTALS (,	26.4	21.4	10.7	₹.8	1.7	• 1		•			100.0	7.

TOTAL NUMBER OF ORSERVATIONS: 7440

CENTAL CLIPATOLOGY GRANCH ATR MEATHER SERVICEPHAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POURLY OPSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFR NJ

PEPIOU OF RECORD: PEMILUD UT HELDRU: 7P-87

MONTH: APP HOURS(LSTI: 0600-0206

#IND SPEED IN KNOTS

UICECTION | 1-3 4-6 7-10 11-16 17-21 20-27 20-27 20-27 17-21 22-27 28-33 34-40 41-47 48-55 68 56 ME AN TETAL LUFGREST | 3.2 6.7 6.8 . 6 2.1 7.2 1.2 3.8 7.0 1.0 1.1 . 1 . (5.7 6.2 2.2 1.7 : 1 . 5 6.2 € • 1 . 9 15 . , . 4 . 4 2.4 . 7 1.7 6.7 158 . 1 . : . 4 5.3 554 • : 5.7 4 . 1 5 4 4.3 4.9 1.6 . 6 3.0 4.2 2.7 1 . 6 _ . 4 . , 7.9 7.1 2.3 1.4 1 1 . 1 8.4 7.3 ٠., N 44 . . z... ٠, . : . 1 7.9 6.9 1. ... 2.3 2.6 7.1 7.7 22.2 ////// 1.7 100.0

TOTAL NUMBER OF UTSERVATIONS:

GLOGIE CLIMATOLOGY BRANCH GSAFLIAC AIN MEATHER SERVICENMAC FERCENTAGE FRECUENCY OF OCCUPRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SPEED FROM MOUNLY OBSERVATIONS

TOP ANNUER:		3.27.							M041F:		HOURS ILS	-87 []: 0330-	
1	• • • • • • • • •	• • • • • • •			4 1 1	0334? GM	IN ANOTS		•••••			• • • • • • • • •	• • • • •
TRECTION 1 DEGREEST 1	7 – <u>i</u>	4-6	7-13	11-16	17-21	22-27	_A-33	34-48	4 ? - 4 7	4 n -55	6E 56	TCTAL	MLAN WIND
1	, 7	1.0	2.4	. 1	• • • • • • •	• • • • • • •		•••••	•••••	• • • • • • • •	••••••	5.1	6.
tite(• 1	1 - 1	.2	• 2								1.7	6 •
ta:	1 • 1	1.4	1.1	. 7								4.3	6.
1.55	1+7	1.7	1.4	. 3								4 . A	6.
ı l	1 • 3	3 • 1	1.4	1.1								7.4	6.
1 31	. 4	. ,	. 1	. ?								1.2	6.
21.	• 3	. 4	.6									1.8	۷.
.71	. 4	• ?										1.1	6.
١ ١	1.6	1 • 1	. 6	. ?								7.4	4.
* 5 al	1 • 3	1.7	1.4	. 3								4.7	5.
54	2."	2 • 2	• =	. 1								4.7	3.
5	1+7	٠,٠	• 5									2.9	4.
- ;	1 • 7	7 - 1	1.8	1.0	. !							7.7	6.
144	2.7	3.2	2.2	2.0	. 7							9.9	7.
he	1.0	. • •	2.3	1 • 1	. 3							7.7	7.
titia	1 • 1	1.5	1.6	. 4								4.7	6.
VAHIAPLE		•••••	• • • • • • • •		• • • • • • •	•••••	• • • • • • • • •	• • • • • •	•••••		• • • • • • • •		•••••
CATA :	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1111111	,,,,,,,,	11111111	1111111	,,,,,,,,	,,,,,,,,	,,,,,,,	11111111	,,,,,,,,	,,,,,,,	26.7	11111
TOTALS	18.4	26.6	19.3	F . 3	. A							:30.0	۷.

TOTAL NUMBER OF ORSERVATIONS: " 440

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM FOUNCY ORSERVATIONS

STATION NUMBER	7:4096	2111100	NAME:	MC GU IA E	UF 938				PERIOD (OF RECORD		87 1: 8583-0	3800
	• • • • • • • •	•••••	• • • • • • •	• • • • • • • •		0	IN KNOTS	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • • • • •
DIRECTION (4 -6	7 - 1 C		17-21	22-21	28-33	34-40	41-47	48-55	GE 56	TCTAL 2	MEAN WIND
r	1.6	2.6	3.2	1.5	.1	• • • • • • •	••••••		• • • • • • • •	• • • • • • •		8.4	7.3
tine !	1 • 1	1.1	. 9	. 6								3 . 7	6.2
rif.	. 6		1.7	. 7	. 1	. 1						4.2	6.0
1 14E 1	1.7	1.0	2.2	1.1	. 1							6.3	7.4
٤	1.1	3.7	2 . 6	1.4								9.1	7.0
rsr	• c	. *	. 7	- 1								7.^	٠.4
51	1.	. •	• 2	ز .								?.º	5.4
15.	•1	. 7	. c									2.1	5.7
5	1.~	1.1	. 7									1.0	c .6
55m	 • •	1.4	1.0	. 2	. 1							٠,٥	6.3
Š.+	! • •	1.6	1.3	. 4								5.9	6.6
n S W		1 • 7	1.4	• 3	. 1							4.4	6.5
-			3	1.€	• *							9.1	7.4
No. of the second	1.0	7.4	. · c	2.3		• 1						9 . R	P + 1
%.	1.7	1 • 9	3.0	7.9	.,							5.9	P . 7
MAX	.,	1.7	1.7	1.:								4.4	7.4
VALIARLE	, 	• • • • • • •						• • • • • •		• • • • • • •			
	 	,,,,,,,,		,,,,,,,,		,,,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	15.2	111111
TETALS	 											:00.0	6 • 1

TOTAL SUMPER OF ORSERVATIONS: 920

GEOSAL CLIMATOLOGY BRANCH ATT MEATHER SERVICE/MAC

PERCENTAGE FRELUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POUNLY OPSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ

PEPIOD OF PECURD: 78-87 #IND SPEED IN KNOTS

UTGECTION | 1-3 4-6 7-12 11-16 17-21 27-27 28-33 34-40 41-47 40-55 GE 56 TOTAL MEAN (UFGPIES) | WIND N 1 .9 2.0 P.6 , 9 1.4 1.1 4.1 6.7 1.0 r.F . 7 1.0 1. 2 . 2 4 - A P . 2 1.0 1.3 2.4 FNE . 4 . 1 . 1 5.4 ۰.6 . 7 : • ? 4 . 5 2.2 . 3 t. 9.9 1.7 ESF . 6 1.1 . 3 5.5 1.1 1.7 6.9 SSE . 7 . 6 . 7 5.8 5 . 7 1.3 3.9 6,7 • 9 ē , 4 • t 9.2 'n 5 m • . 1.4 . 7 4.1 7.6 1.7 ¿.~ 2.1 3.6 10.7 9.2 1.2 1.4 3.0 . 4 . ? 9.6 2.5 ty at 1.5 3.0 4.1 . ì 12.3 9.7 2.0 1.74 3.1 VARIABLE CAL" 2.4 ///// 1.7 2 : . : 3.0 34.5 100.0 8.4

TOTAL NUMBER OF OBSERVATIONS: 9.76 SAFETAC AIR MEATHER SERVICE/MAC

FEOCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MODRLY OBSERVATIONS

73-87

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NU

IND SPEED IN KNOTS

UIRECTION | 1-3 | 4-6 | 7-10 | 11-16 | 17-23 | 12-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 17-25 | 1 PERIOD OF PECORD: (DECREES) | 1 WIND 8.9 t. 1.7 2.6 1. 3 6.0 1.145 • ? ٠. 1.4 . 4 3.0 7.7 . . i., N.F. 1.0 . 1 . 1 3 . 3 6.0 ENF . 6 ٠, ۶ 2 • C ٠, ۲ • 6 4.9 0.4 9.7 1 . 7 3.6 L 1.4 3.7 6.8 • 3 1.8 . 2 F S E 7.6 7.6 ςr . 4 . 2 ٠, 1.6 . 7 . 7 . 1 1.7 8.0 SSE . 1 . 1 5 1.0 2.0 1.0 . 1 4.4 0.9 554 . ? . 4 1.7 1.7 . 6 4.6 11.1 SW . 4 . 4 2.4 2.0 . 4 5.2 10.4 1.0 2.0 . ? 4.3 6.6 ۲. i 12.1 · . 3 1 • i 9.3 11.0 a ish 3.4 11.2 lesi . 3 1.4 3. € 1.2 . 1 10.6 4.6 1.164 1.7 2.4 . 3 . ? 10.1 1.5 CALT i*mmmunimmmmmmmmmmmmmmmmmmmmmmmmm* .9 ////// 100.7 9.3 TOTALS 25.0 5.4 . 1

TOTAL NUMBER OF OPSERVATIONS: 200 ULBLAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFLIAG FROM HOURLY OBSERVATIONS

ATR WEATHER SERVICE/MAC

STATION NUMBER: 724'96 STATION NAME: MCGUIRE AFB NU PEDIDU OF RECORD: 74-87

									MONT:			t): 1550-	1700
UIRLCTION UDFGREESI	1-3	4-6	1-10	11-16	n I f 1 7 - 2 1	ID SPEED	IN KNOTS 28-33		41-47	44-55	GE 56	TCTAL	46 A N 41 N L
• • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •		• • • • • • • •		•••••	• • • • • • • •	• • • • • • •	• • • • • • •				
N	1.:	1.1	1.6	2.2	• !							٠.٠	*.
NNC I	• 3	1.2	.4	• 1								· 1	٠.
NE 1	• *	1.2	1.4										٠.
F NE	. 4	1.3	2.7	• f	• 1							•••	٠.
د ا	. 6	1.7	4.3	1.6								- • 1	٠.
rse i	• 7	1.1	1.7	1.1	• 1							٠.	٠.
St. i	- 1	1.0	2.3	• *								٠.٠	٠.
156	• 1	1 - 1	1 - 1	. 4									٠,
i د	. 7	1 • 2	1.5	1.1	• 3	• 1						* • .*	٠.
55%	• 3	• (1.8	1.4	• 2							٠.٠	٠.
Sw	• 2	1.4	5.6	1.0	. 4							1 - 1	٠.
25W	• 3	1 • 1	. 7	1.7	• 1							4.4	٠.
u į	1.9	3 • 7	4.4	3. €	• 2	. 1						13.3	э.
- ten	. 7	3.2	2.6	5.4	1.7	• 3	• :					17.7	11.
1	• 8	2.7	ч, Р	2.9	• 9							12.5	٠.
ราชพ [• 1	1.7	1.9	7.7	• 2	•1						6.0	10.
VARIABLE 1	• • • • • • • •			••••	• • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••		•••••		• • • • • •
C2L"	/////////	,,,,,,,	11111111	////////	1111111	1111111	11111111	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	1.3	,,,,,
TOTALS	4.5	23.1	35.1	24.7	4.3	. 7	. 2					100.0	٠.

TOTAL NUMBER OF OPSERVATIONS: 436

DERIVAL CLIMATULOGY REANCH PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

ALM AFAITER SERVICE/MAC

	• • • • • • • •	• • • • • • •	••••••	• • • • • • • •					• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • •
1 (23] APESTION 1	1-3	4 -6	7-∡0	_	17-21	22-21		34-40	•	48-55	GE 56	TUTAL	ME A N H 1 N O
· · · · · · · · · · · · · · · · · · ·		1.8	1.7	1.2	.2		•••••		•••••	• • • • • • • •		5.7	8.
riter	• 1	1.1	. 7									1.9	5.
- 3t	. 7	٠, ٩	. 3	• 3								2 • 2	6.
- St.	. 4	1.7	1.7	. 4								3.7	6.
	:•^	3.9	3 • 1	• 6								۵.6	6.
i e	1.4	1.6	1.6	• 1								4.7	5.
	:• 6	1.7	1.0	• 3								4.4	٠,
·	2.	2.3	• 8	• •								5.3	4.
. !	1.2	5 + 3	2.2	. 4	. 1							10.3	5.
	• 6	1.6	1.4	. 7								4.4	6.
		7.2	1.7	٠.6								4.7	6.
	1 . 1	2 • 1	1.3	. 4								5.7	۲.
- !	1 • 6	3.6	2.7	۰ ۶	. 2							8.6	ь.
- 11 m	1.3	2.0	2.6	1.5	. 6	-1						8.3	8.
N	. 4	2.9	4.3	• 4	1.0	•1						9.6	٩.
95	:• '	1.1	3 • 4	• 9	. 1	• 1						7.4	7.
VENTABLE	•	•••••	• • • • • • • •	• • • • • • • •	• • • • • • •				•••••		• • • • • • •	• • • • • • • • •	
cre-	,,,,,,,,,	///////	,,,,,,,,	minn	1111111	,,,,,,,	////////	1111111	,,,,,,,	///////	11111111	4.9	11111
TOTALS	17.3	35 . 6	30.6	. 5.6	2.2	. 3						100.0	6.

TOTAL NUMBER OF DISERVATIONS: 900

SECOND PERMITTED FROM THE PROBLEM OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFETAC FROM MODRLY ORSERVATIONS AIR WEATHER SERVICE/MAC

DIRECTION | COLCRESS | 2 ₩IND 7.1 ΝVέ 1.3 • 2 . 3 1.7 5.4 14.5 1.7 1.1 UNE t 1 • 1 1. ? . 7 ESF 1.3 . 2 4.5 3.6 . 6 ٠. 5.5 . 2 . : 55. 1.7 . 4 2.6 4 . 3 3.9 3.0 1.9 د . 2 9.9 4.7 154 1 • 8 3.1 1.7 . 5 7.1 5.5 Sie 1 . 3 . . 7 . 9 . 1 4 . 7 1.6 2.1 . , 4.9 1.6 1.9 . 3 6.3 ... 3.4 2.t 1.4 7.9 1.0 ·... 1.5 3.0 2.3 1.4 . 3 • 1 7.3 P.6 • 1 ٠.١. .. 2.1 2.8 1.6 7.8 15.3 ///// . 1 - 1 100.0 1.1 5 . 3 9.7

FOTAL NUMBER OF OBSERVATIONS: 9.5

OL AL CLIMATCLOGY PRANCH CLAFFTAC STO WEATHER SERVICEZMAC

PERCENTABL FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOUNLY OPSERVATIONS

									MONTH:		HOUPS (LS)	[]: ALI	
		• • • • • • • •			# I h	D SPEED	IN KNOTS				• • • • • • •	• • • • • • • • •	• • • • • • •
THE GOLDS I		4-6	7-11			-	28-33					TCTAL *	ME A N W I N O
,	, a	2+1	2.2	1.3	. 1		• • • • • • • • •	• • • • • •		• • • • • • • •		6.6	7.7
٠.,٠	. 4	1.1	• 7	. 3								2.5	6.5
148	. 7	1.,	1.1	• 5	• 1	•7						1.7	6.9
. 54	. 7	1.5	1.0	• 6	. 1	٠,						4.9	7.4
ι	1.1	2.6	2.9	1.3	• 1							9.0	7.3
r 1, r	.7	1.7	1.0	. 4	• 2							3.1	6.3
νŁ	. 7	• 6	1.0	• .7								2.9	6.2
101		• 6	• (• :	• :							2.5	5.7
:.	:•5	2.7	1.4	. :	. 1	• 7						5.5	6.1
15#	· 1	1 . 4	1.4	. ;	. 1							4.7	6.9
5%	.,	1 . 7	1.3	• 7	. 1							4.0	7.1
+ 5 h	1.	1.4	1.2	• 5	• 1							4 • 1	6.5
•	1.4	2.6	3 • C	1. 1	. 3	-1						9.2	7,9
. few	1	2 . 7	2.7	2.7	.7	• •	• "					17.3	9.3
for all		2.4	3.3	7.3	. 7	•1	٠٦					9.5	9.1
5.Na		1•=	2.3	1.6	• 1	. 1						5.6	A . 3
VARIABLE	, , , , , , , , , , , , , , , , , , ,							• • • • • •		• • • • • • •			• • • • • •
_	i												
-	<i> </i>	,,,,,,,,	,,,,,,,,	77777777	,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	11.1	111111
TOTALS	14.5	27 . 2	28.1	15.2	2.5	. 4	. 1					100.7	6.8

TOTAL NUMBER OF OPSERVATIONS: 7736

DESCRIPTION OF THE PROPERTY OF

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY ORSERVATIONS

STATION NUMBER: 724797 STATION NAME: MCGUIRE AFB NJ

PERIOU OF PECORD: 78-87 #EMOUD OF PECOND: 78-87

#ONTE: MAY HOURS(LST): DOCC-0200

#IND SFEED IN KNOTS

UTFLCTION | 1-3 4-6 7-10 11-10 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN
(UFUFEFS) | 10FUPLEST | SIND 1 5.0 N 2.3 1.4 • 1 6.5 MNE . 9 ٠, 1.4 . 1 3.2 5.9 . 5 ٠, د • 3 145 . 1 4.9 2.2 . \$ 1 fet 1.5 ٠٤ . 6 3.7 7.1 1.2 , 4 ŧ 1.5 1.3 4 . 4 5.8 5 5 F 1.3 . 6 • ? 2.2 3.6 Sí. 1.7 . 2 • 1 2.0 2.9 SSE 1.3 1.0 2.7 4.2 ٢ 2.6 1.6 1.6 5.8 4 • 3 550 2.3 3.7 1.1 • : 7.7 4.7 3 . 2 5 6 4 . 3 . 8 . 4 9.2 4.3 2.4 3.5 • ? 454 5.1 3.9 . 2.4 3.7 • 5 6.6 4.9 40.0 • • • : 2.7 1.2 • 2 . 1 5.5 11hin . 1 5.4 VARIABLE CILA 28.9 ///// TOTALS 100.9

TOTAL NUMBER OF ORSERVATIONS:

GLUEAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICEMMAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD:

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

MONTH: MAY HOURS(LST): 0300-05CC WIND SPEED IN KNOTS OTGECTION: | 17-21 22-27 28-33 34-40 1-3 4-6 11-16 41-47 48-55 GE 56 TCTAL MF A N WIND 2.9 8.2 4.6 3.4 1.8 1.9 . 1 • 2 . 3 Ang 2.8 4.0 1.7 • 5 3.5 HE 1.1 • 6 6.3 1.8 . 4 5.9 FINE 1 - 3 1.7 5.3 £ 1 . 2 ٠, ٩ .5 . 2 2.8 4.7 1 - 2 1.9 3.6 2.5 SŁ 1 . 2 < 5 t 1.1 1.3 .5 4.6 1.0 1.9 1.0 4 . 4 5 554 2. 1.0 1.4 . . 5.5 . . 1 2.5 4.4 SW 2.1 ٠, . 2 6.1 4.7 ¥54 1 . 6 1.0 • 3 3.9 2.7 • 5 5.8 3.9 . 6 1.4 1.0 3.5 6.6 i . ' 5 . 2 1.1 N/N/A 1.1 5.3 VARIABLE CALI 34.7 /////

1014L5 | 26.7 73.9 13.0 2.9 100.0 3.1

TOTAL NUMBER OF OFSERVATIONS: 932

GLUZAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PERIOD OF RECORD: 78-87
H : T : MAY HOURS(LST): 0609-0800 STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ WIND SPEED IN KNOTS DIPECTION I 1 - 7 7-15 11-16 17-21 27-27 28-33 34-4C 41-47 48-55 GE 56 MEAN WIND 4 -t. TETAL (DEGREES) ! 3.1 . 6 6.2 NAS 1.4 1.5 2.3 . 6 5.8 6.6 1.4 NE 1.1 1.2 . 9 4.5 6.5 ENE 1.3 1.7 2.3 ٠ ٤ 5.8 6.4 1.6 2.4 • 5 4.7 FSE . 9 4.7 1 - 1 Si 1.0 . 7 • ? 3,9 3.9 SSE 1.4 • 3 ç 2.2 . 9 5.7 2. ? 5.0 < \$ h 2.0 2.5 1.4 6.0 5.4 2.2 ٠. 1.4 7.8 7.3 . 4 6.1 2.0 . . ~ 5 w 2.6 1.2 6.1 5.0 1 • 1 2.5 1.7 6.1 6.0 280 • 3 2.2 1.1 1. 7 5.8 7.1 • 0 VARIABLE CZLM 14.4 ////// 100.0

TOTAL NUMBER OF ORSERVATIONS: 929

GEGERE CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POURLY OBSERVATION.

STATION NUMPER: 724096 STATION NAME: MCGUIRF AFR NJ PERICO OF RECORD: 76-67
MONTH: MAY HOURS(LST): 5930-1100 WIND SPEED IN KNOTS 17-21 22-27 29-33 34-40 41-47 48-55 GF 56 DIFECTION ! 4 -6 7 - 1 .1 11-16 TCTAL PEAN (DEGPES) MIND 7.6 1.4 2.6 3.1 . NE . 9 1.0 1.5 1.0 . 2 5.9 7.9 . ; 2.0 2.2 1.0 6.7 ΝE 1.2 . 9 1.7 • 2 4 . 5 f Int 1.6 . 1 6.1 2.2 6.5 Ł 1 . 4 1.7 1.1 6.3 ESE 1.0 1.6 1.0 • 1 • 2 3.9 6.0 1.4 2.7 · .2 555 . : 1.7 6.5 . . . 5 . t 1.2 2.0 • . F.6 < 5 k 1.4 1.3 • 6 4.5 6.9 1.6 3.5 1. " ¥ . 7 . 4 4. 7 Sh . 1 2.4 3.2 7.5 N 5 W 1 - 1 1. 1 • 1 F . 1 1.6 2.6 4.1 1.5 17.4 7.4 7.6 while 1.7 2.3 2.6 1.7 . ? P . C fe si 7.03 2.1 1.0 7.4 7.7 t. Nik 1.4 7.0 VARIABLE 1 CFLM 2.9 ////// TOTALS 34.2 15.7 1.4 100.0

TOTAL NUMBER OF GESERVATIONS:

BEDRAL CLIMATOLOGY REANCH LSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

ATR WEATHER SERVICE/MAC

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFE NJ PERIOU OF RECORD: MONTH: MAY HOURS(LST): 1730-1400 WIND SPECO IN KNOTS 7-10 11-16 17-21 27-27 28-53 34-46 DIRECTION | 41-47 48-55 GE 56 TETAL (DECHEES) ! **■1** N E 2.? 7.2 ti 1.2 3 . 7 . 1 :.: * fet. . 3 1.1 1.6 4.5 7.6 *• E 1.0 1.9 4.2 7.2 ENE ٠, 7.1 Ł . . 1. " . 6 . 1 t. . t 7.5 F 5F 1.6 ٠.6 : . 3 • ? 5.1 . 9 2.6 4.3 . 5 1.2 St. 151 . 4 1.7 1.1 . 4 3.5 6.9 د. 2.3 ٠. 4.5 7.7 • Fs $2 \cdot 1$ 554 1.0 1.1 . 1 1.7 9.0 7.0 5 W . 4 ٠,٠ 3.5 1. € . 5 9.7 , r .5. 3.7 A . 7 9.0 1 4 13.7 7.0 2114 2. (5.0 ۰. ۵ ٠.6 9.7 . 5.1 3.0 · р. В . 6 1. Is a 7.9 1.4 1.7 1. 1. . 1 4.6 VARIABLE 616" 100.0 36 . . 1 % - 1 . 1

TOTAL NUMBER OF OFSERVATIONS: 931

OLDS/L CLIMATOLOGY BRANCH FEPCENTAGE FOR QUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FOUNDED OPSERVATIONS
AIR WEATHER SERVICE/MAG

STATION NUMBER: 724096 STATION NAME: MCGUIRF AFR NU PERIOD OF RECORD: 79-87

MONTH: MAY FOURSILSTI: 1500-1700

NIND SPEED IN ANOTS

2010-0110N | 1-7 | 4-6 7-17 | 10-18 | 17-27 | 10-18 | 01-07 | 02-55 | 05 54 | 7/14 | M64

· · · · · · · · · · · · · · · · · · ·	. 	• • • • • •	•••••	• • • • • • • •	 win	D SPLE7	IN ANDTS	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • •	•••••
DISECTION !		4 =6	7-12		17-21		28-33	34-40	41-47	48-55	GE 56	TCTAL Z	ME AN UMIW
٨	1.4	2 • 3	1 • 6	. 5	• 2		• • • • • • • • •		• • • • • • • •			6.3	6.4
ANE	• :	1 • 4	1.5	. 5								3.1	7.9
fat <u>.</u>	• 3	. 4	• 0	• !								2.4	7.1
l for	. 4	1 • ?	1.3	, p								4 • E	7.7
٤	1.7	2.3	3.5	. 4								7 . 3	6.9
ESE	1.2	1.5	1 • *	1 -								4.7	5.7
81	, r,	2.2	1.2	. 3								4.?	5.9
< 5;	. 4	:.7	1 . 7	. 4								4.3	6.9
د	• "	2.€	₹•6	1.1								a. n	7.4
15*	, 	• "	1.7	• °,								3 4 3	4.0
». ذ		• 4	4.7	1. 5	• 2							6 • 1	0.1
~ : <i>«</i>	, %	; • c	3.4	2.5	. 1							8.9	8.5
•	1.4	2.5	5.4	7. 7								13.3	P • D
e 1. m	1.7	1.1	2.0	2.7								R.6	P.7
••		"	1.9	:• 9	. 3							7. ~	6.5
** N. A		4 • *	1.1	1.4	. 4							5.4	· .6
VFHIAFLE	' • • • • • • • • • • • • • • • • • • •		•••••		• • • • • • • •	• • • • • •	• • • • • • • •	•••••	•••••	• • • • • • •	•••••	•••••	• • • • • • • • • •
CFL"		111111	11111111	////////	,,,,,,,	//////	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1111111	,,,,,,,,	,,,,,,,	,,,,,,	/ 3.3	/////
FOTALS	1 1 12.4	***1	35.7	11.	1.3							:35.4	7.5
							• • • • • • • •				• • • • • • •		

TOTAL NUMBER OF OFSERVATIONS: 93"

þ

STORTE CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNEY ORSERVATIONS

100.3

5.2

STATICH NUMBER: 724394 STATION NAME: MCGUIRE AFB NU PERIOD OF RECORD: 79-97 PENTOU OF RECORD: 79-97

MONTH: MAY HOURS (LST): 1900-2000

| WIND SPECT IN KNOTS

OTRECTION | 1-3 4-6 7-16 11-16 17-21 27-27 28-33 34-40 41-47 48-55 GF 56 TOTAL MEAN

OTRECTION | 1-3 4-6 7-16 11-16 17-21 27-27 28-33 34-40 41-47 48-55 GF 56 TOTAL MEAN HIND COEGFICS) 1 ı 4,7 7.1 . 4 1.5 , c 1.. 5.6F 1.^ 2.5 . t, . ! .6 6.6 r.t . 4 ٠, ۵ ٠.٤ . 1 7.2 6.1 FINE . 6 . : 3.5 6.4 1 . 7 • 1 . 1 6.6 5.9 ŧ 2.6 4.5 rse . . 1 2.4 1.0 . 1 3.7 4 . 8 54 2.3 1.2 • 1 1 - 7 5.7 4.8 551 2 . G 1.1 1 4 15.0 5.4 5 2 + 7 4.4 . 9 5.7 5 . 3 < 5 a :. ' 2.0 5.4 3.0 4.2 2.0 1.5 . 1 5.5 5.9 1 • 3 : • 1 1.5 . 1 . 4 6.2 6.1 7.7 a la n . . .: 1. 4 4 2 7.1 . . . 1. 11 1 . 4 1.5 . . €.8 . 14. , t: 1.0 9.2 //////

Total Number of Observation: - 470

TETALS

CLIPAL PLIMATOLOGY BRANCH FEBRUARDS FREGUINCY OF OCCUPRENCE OF SURFACE WIND LIMICATION VERSUS WIND SPEED OF A FRANCE FROM HUDREY OPSERVATIONS.

#EKION OF HECORD: 78-87

#ONTH: WAY HOURS(LETT: 2100-2300)

#IND SELECTION IN KROTS

#IND SELECTION I (-3 4-6 7-4) 11-10 (7-2) (7-2) 70-97 STATION NUMBER: 7,4094 STATION NAME: MOSBIAT AFR NU 17-21 27-21 26-37 34-40 41-47 46-55 GF 56 **LIN**U 101682151 | ł 6.6 ١, 1.2 • 3 1.9 . 4 6.4 1.94 . 6 . + 2.3 5 - 6 *if • 4 , ŧ. • 1 • • 7 . Q 1 14 5 . : 1.0 €.3 1.1 4.5 Ł • E TOF . . . 1 - 1 . . • ٠.٠ . 1 à : 1.1 2.7 4.9 5.9 1.7 . 4 . : 155 12.3 4.5 ۲, f. . 7 4.7 2.6 . . 11.7 4 . B 2.3 5.4 . . : 5 = 2.5 1.0 7.6 4 . 7 4.1 4 . 1 4 . 6 4.2 1.^ . : 2.7 6.0 No. 1.0 , r 1.0 5 . 3 fi a 1 - 1 . : . i . 1 1.5. 4 1.1 . 4 WARTAPLE T CALL 19.5 ///// 4.1 16.7 . 1

THIRL NUMBER OF O'STRIVATIONS: 350

OLOPAL SLIMATOLOGY BRANCH DISAFETAC AIG WATHER SERVICEMMAC

PERCENTAGE FRECUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MUDICLY ORSERVATIONS

STATION NUMBER	1: 774395	STATION	अ∧स€:	™C GU IR F	AFE NJ				PERIOD MONTH:	OF PECOR	D: 7º-		L
	•••••	• • • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •					• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •
DIFECTION (4 -6	1-13	11-16					41-47	48-55	GE 56	TOTAL	ME A N WIND
N 1	1.7	2.6	2.4	 .સ	٠٠٠٠٠٠		•••••		• • • • • • • •	• • • • • • • •	• • • • • • •	7.4	6.3
	·	. • "	٠	• 9	• '								0.3
5N5	. 7	1.1	i • 1	• 6	• 0							3.7	6.8
Ħ	. 7	1.1	1.1	. 5								3.4	6.5
ENE	• 3	1.7	1.0	.5	• 3							4.7	6.6
ن ن	1.4	1.5	1.7	• 5	•:							c . q	6.1
135	1.4	1.4	• 6	. 1	•5							₹,9	4.9
5 Ē	1 • 7	1.7	• f	. • 1								4.2	4 .4
٠ ٤ ٢	1 • 2	1.5	.9	• ,								7.A	5.2
5	2.3	2.€	2.3	. 4								7.5	r .5
55×	1.4	2.7	1 • 4	• *	• ၁							5.0	s 7
ŝ.	:•′	4	2.1	• 2	• 1							7 . 3	5.4
4 5 a	1."	2.1	1.6	• "	• 3	• 5						6.3	6.5
•	1.5	1.1	7.4	1. ^	• 1							8 • ₹	6.5
# (s.e.	• 5	1 • *	1.6	2. 7	• 1							5.4	7.7
5e ma	1.0	1	1.5	1.7	•							٠.6	7.3
*****	1.	1.4	1.7	• :	• 1							4.5	6.8
Alavieth Alavieth		•••••			• • • • • • •				• • • • • • • •	• • • • • • • •	• • • • • • • •		
CFLA		11111111	//////	//////////	1111111	,,,,,,,,	///////	1111111	////////	///////	,,,,,,,	14.2	/////
TOTALS	21.5	29	24.6	5.5	• "	•7						מ.רננ	e, 4

TOTAL NUMBER OF OPSERVATIONS: 1439

DEFENDE CLIMATOLICAY BRANCH PROCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED LICALETAC FROM HOUNLY OBSERVATIONS

ATRIACTEES SERVICEZMAC

STATION NUMBER: 7:4096 STATION NAME: MCGUIRF AFBINJ PERIOD OF DECORD: 78-87
MONTH: JUN, MOURS(LST): DDD9-0200

| WIND SPEED IN KNOTS
| JIPICTION | 1-3 4-5 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN

DIRECTION OF GREEST	1 -3	4-3	7-10	11-16	17-21	22-27	2 4-33	34-4C	41-47	49-55	GE 56	TCTAL	ME AN WIND
6 .	2.2	3.0	2.0		• • • • • • •	• • • • • • • •	•••••	• • • • • • • •		• • • • • • •		7.2	5.3
tete	. 4	• 6	• 9									1.9	5.0
f	1 - i	• 7	• 3									2.1	3.6
F fat.	1 + 2	• -	• 6									2.2	4 .4
: J	1. *	7										٠.٠	2 • 3
1.71	. 9	• 3										1.1	2.6
St .	1 • 4											1.7	2.2
1.51	1 • 1	. 4										1 • 6	2.6
s .	4.3	3.1	1.3	• 4'								9.7	4.2
ري. ا	4.9	4.4	1 • P	. 1								11.3	4.3
يد	3.3	. · ·	. 4	. 1								7.7	3.9
~ 2M	2.1	1.0	• ?	. ?								4.3	4 • 1
- !	1.4	2.1	. 6	. 4								4.0	4 .B
n it n	. ;	1.4	• 7	. 4								3.4	5.9
ien.	1.6	1.4	. 8									3.2	4.9
MBA I	1.5	1.1	• ¢		• 1							3 • 1	5.5
VARIAPLE	·		•••••					• • • • • • • •			• • • • • • • •		
1	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,	(////////	1111111	1111111	///////	////////	////////	,,,,,,,,	///////	,,,,,,,,	33.3	111111
1010F2	28 • 9	2°. • f	16.7	1	• 1							100.0	2.9

THIS NUMBER OF DUSERVATIONS: 940

GEOGRAC CLIMATCLOGY RRANCH GSAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLICLY OBSERVATIONS

100.0

2.4

AIR KEATHER SERVICEZMAC

PERIOD OF RECORD: STATION NUMBER: 724.46 STATION NAME: MCGUIRE AFB NU #IND SPEED IN KNOTS

LIPECTION | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | TCTAL | MEAN | (DECRES) | (BECRIES) 1 HIND ····· 4.5 5.7 12743 9 . 2 1.9 3.9 1.5 . 7 . 7 . 7 2.0 5.3 , c . , . ? 2.9 ENE 2.8 1.2 • 3 1.6 3.1 3.8 rsr 2.9 SF 1.9 2 • 2 3.1 4. 3.9 55. 3.6 1.3 5.4 3 . : 3.9 ٦× 6.7 7.2 2 . 1 3.8 ~ 5 h ٠ŧ 4.9 1.7 . 2 2.7 4.6 4.0 . 7 :.0 5.6 5 N m . 1 1.4 1.9 1.7 . 4 . . 4.2 4.5 *. 1. ** , c 5.2 VARIABLE CALM 3R.8 /////

TOTAL NUMBER OF ORSERVATIONS: 945

TOTALS

GLUNDE CLIMATOLOGY REANCH USAFLITAC AIR AFATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOUNLY OBSERVATIONS

!					w I !	ND SPEED	IN KNOTS	i					•••••
THEOTICA I	1 - 3	4 +5	1-10		17-21	_	28-33	34-40	41-47	4 E -55	GE 56	TCTAL 1	MEAN
4 [3.€	1.7	2.4	. ?	. 1			•••••		• • • • • • • •	••••••	9.3	6.1
1.742	: • •	1,4	1.0									4.3	4.
at 1	1.2	2.0	•6	• 2								4 • 2	5.
CAL	2.4	1.€	. 9	. 1								5.7	4.
	7.5	4.6	. 6	. 1								4 • 2	4.
rsi j	1.2	• *	. 1									1.7	2.
se i	1.0	. 4										1.4	2.
555	1.2	• 5										1.9	2 •
s	2+2	1.0	• 3									4.6	٠.
rs.	2.7	? • ?	1.4	• 1								7.6	4.
Sa Í	3.1	3 • €	2.7	• ?								9.6	5.
254 I	1 + 5	3.6	1.4	. 6								7.7	5.
- i	2.3	3.7	1.4	• 3								7 . R	5.
144	1.3	1.6	1.5	٠ ٤								4.1	6.
Na j	:•¤	2.3	1 • •	. 7								6.4	5.
r.N.a.	1.7	2.3	2 • 2	• 4								6.7	6.
VARIABLE	• • • • • • • •		••••••	••••		•••••	• • • • • • • •		• • • • • • • •			• • • • • • • •	•••••
CFL4	,,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	1111111	,,,,,,,	,,,,,,,,	1111111	///////	,,,,,,,,	,,,,,,,,	15.0	11111
TOTALS	27.6	20.1	15.6	4	. 1							100.0	4.

TOTAL NUMBER OF OBSERVATIONS: 900

DEBLAC CLIMATOLOGY BRANCH FUNCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFLING FROM MOURLY OBSERVATIONS.

4 IP WEATHER SERVICEZMAC

• • • • • • • • • • • •		• • • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			IN KNOTS		• • • • • • • •		••••••		• • • • •
DIPECTION 1 OFGREES		4 -6			17-21	22-27	29-33	34-40				TCTAL %	ME A N W I N D
۱ ۸	. 9	2.3	2.7	3.5		• • • • • • •			• • • • • • • •			7.9	٤.
NNE	1 • 7	2.1	1.3	• 3								5.1	5.
NE	1 • 4	1.6	1.3									4.6	4.
ENF	. 6	1.7	. 7									2 • 2	5.
L I	1.6	3 • □	••	• 2								5.7	5.
FSE	2.3	1.2	. 7									4 • 2	3.
St	. 4	• ¢	. 1									1.4	4.
SSF	• 9	. 3	. 4									1.7	4.
5 (1 • 2	z.c	.6	•*								4.0	5.
\$ S **	1 • 3	1.4	1.4	. 4								5.1	٢.
S.a.	1 • 2	3 + □	2 . 8	• 9								7.9	٤.
wsw !	1.9	3."	4 • 1	1.2	• 2							19.4	7.
	2.6	5 • F	3.4	1. 7								11.7	6.
n tear	1 • 4	2 • 1	1.9	1.3	• 1							6.9	7.
P. ai	1.4	4 - 1	2.6	1.1								9.2	6.
14 May 1	1 - 1	1.5	2.2	1 - €								6.7	7,
VERTABLE (••••••	•••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •			•••••	• • • • • •	•••••	• • • • • • •	• • • • • • •		•••••
ניניי ו	,,,,,,,,,,	1111111	,,,,,,,	,,,,,,,	1111111	1111111	,,,,,,,,,	1111111	,,,,,,,,	///////	11111111	5.4	11111
- 10 TALS 1		33.5	21.1	11.7	. 3							160.0	6.

TOTAL WOMEN OF GESTRIVATIONS: 955

OLCEAL CLIMATOLOGY BRANCH OSAFLTAC AIR WEATHER SERVICE/MAC

FERSENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY ORSERVATIONS

STATION NUMBER: 724596 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1200-1400

DECETION !	1 - 3	4-6	7-10	11-16	17-21	22-27	29-33	34-40	41-47	46-55	GE 56	T C T A L	ME A N W I N D
6	1.1	2.9	2.0	1.7	. 1		•••••	• • • • • • •	• • • • • • • •	• • • • • • • •	•••••	7.1	6.
THE	• 7	1 . 3	.8	• 2								3.2	5.
NE	. 4	1.0	1.0	• 3								2.9	6.
I, NE	. 5	• 0	1.4	• :								2.8	7.
i i	1 • 1	2•°	1.7	• 1								5.8	5.
tor	1.0	1.1	. 3									2.4	4.
S.F.	. 4	1 • 3	.1									1.9	4.
SSF	• €	1.0	. 4									2.2	4.
s	1 • 1	2.0	• 6									4.7	4.
<54	1 • ?	5.6	1.7	• 0								5.9	5.
s. i	. 3	3 • 4	3.1	1.7								9.1	7.
×24	1 • 1	3 • €	4.4	1. 7								11.7	7.
	1.9	5 • 2	5.1	2. ?	• 3							14.9	7.
School I	1 • 1	3 • 4	2.1	2.6	• 1							9.3	7.
la in	1 • 2	2 • 8	3.8	1.0	• 3							8.1	7.
NAM 1	• 7	1 - 3	2.6	1.3	• 2							6.1	ε.
VARIABLE	• • • • • • • •			• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • •	• • • • • • • •	• • • • • • •	•••••		9,
CAL"	,,,,,,,,,	,,,,,,,	11111111	,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,,	1111111	,,,,,,,	,,,,,,,	,,,,,,,	2.7	,,,,,
TOTALS	15.1	₹7 . ы	5υ. 4	12.9	1.1							100.0	6.

TOTAL NUMBER OF ORGERVATIONS: 956

GLOBAL CLIMATOLOGY BRANCH Ujafliac Ain Weather Service/Mac

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATION.

STATION NUMBER: 724096 STATION NAME: MEGUIRE AFB NU

PEGIOD OF RECORD: 70-87 HONTE: JUN HOURS(LST): 1500-1700 WIND SPEED IN KNOTS 17-21 27-27 28-33 34-40 41-47 48-55 GE 56 TCTAL JIMECTION I (DECREES) 1 HING 7.2 f. 1.9 1.1 1, 1 TINE . 4 • 2 . 7 • 1 5.8 1.1 1.0 . 4 2.1 5.2 į tiE 2.0 3.9 5.9 . 9 2.6 . : 5.1 5.8 158 1.7 ۰ 4 . 1 . 1 4.7 4.7 50 2.1 ٠, 3.7 4.9 1.51 1 . 2 1.2 .6 3.6 4.6 5 2.4 4 . 1 2.0 . i 8.7 554 2.7 2.0 . 9 S . 4 2.7 3.7 1.0 7.9 7.4 ٠ ٥ 1.6 9.7 7.9 • 1 • 6 13.3 R . 2 . . ANN ... 2.2 • 3 6.9 1.6 7.3 ile a 1. : 1.7 1.7 3.2 • 1 7.7 8.0 tited 1 . 7 2.6 2.0 1. 5 . 2 7.4 VARIABLE CAL 1.9 ///// TOTALS 17.3 1 - 3 100.0 6.7

TOTAL NUMBER OF ORSERVATIONS:

GEREAL CLIMATOLOGY ARANCH ATP MEATHER SPRVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND UTRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

FERIOD OF RECORD: 78-87

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

#IND SPEED IN KNOTS

OFFICITION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN

OFFICE STATE OF STATE KOLGREES) 1 ₩INO N f 1,1 2,7 1,2 6.3 PIPET • 3 1.2 5.0 1.0 t.£ . 9 • 2 2.8 5.9 F 145 . 7 1.9 5.7 1.7 2.3 1.0 ٤ 5.3 4.9 € 5 € 1.7 1.4 . 1 2.9 3.5 2 . ! 50 5.1 . 1 5.2 3.3 4.0 550 3.a . 3 8.1 3.5 3 7.4 7 . 1 2.3 . 1 17.0 4 • 2 3.3 2.0 554 1.4 3.1 4.5 5.3 1.4 2.6 4.9 1.5 • ? 5.9 6.3 2.: 1.7 1.3 . -. 1 5.9 6.1 i e be 1.4 3.3 1.1 . 7 . 1 5.6 6.2 NNW 1.0 2.4 1.3 . 1 5.5 VARIABLE { t L " 7.4 ///// 16.7 . 4 100.0 4.5

TOTAL NUMBER OF DESERVATIONS: 9.)() GEURAL CLIMATCEOGY BRANCH USAFETAC ATT HEATHER SERVICEMMAC

PERCENTAGE FREQUINCY OF OCCUPACION OF SUSPINCE WIND DIRECTION VERSUS WIND SPEED FROM MUDRICY ORSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRF AFR NJ

PERTON OF RECURD: 78-87 #ONTH: JUN HOURS(LST): 21JD-236G

#INC SPECT 'N MOUTS

UIFECTION | 1-3 4-6 7-10 11-16 17-21 2-27 2-35 34-40 41-47 42-55 66 56 TCIAL MEAN

OUTGESS! COEGREST ! ..,,... 5.1 MNE • ? ۰, ۵ 1.2 4.5 NF 1.3 5.2 . 7 . 6 5.1 LNE £ 3.0 . t . 1 • 11 1.7 2 - 3 151 1.2 . 4 1.7 1 . 8 1.7 SE 4.0 5.51. 2.6 1.4 2.9 6.2 3.8 s 8.6 1.7 16.4 4.7 12.6 4.3 S'n 4.4 3.3 8 - 8 3.9 5.7 4.5 2.1 2.7 45 . 4.8 4.0 . 2.3 1.7 . . . : 3.2 5 . 3 . ? 1.7 . 3 . 1 h N a . 1 . 1 . 4 2.2 4.7 No. . 7 ٠,۶ . 1 3.1 5.4 4.50 1.6 . 3 VARIABLE I CFLM .? .1 3.3 TOTALS 100.0

TOTAL NUMBER OF GOSERVATIONS:

DERIVATE CLIMATOLOGY 4P ANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED UNAFFITAC.

FROM MOURLY OBSERVATIONS

AIM AFATHER SERVICE/MAC

STATION NUMBER	124796			MC GU IR E					HINCH:		HOURSILSI		L
1	• • • • • • • • • • • • • • • • • • • •		•••••	• • • • • • • • •	I h	ND SPEED	IN KNOT	 5	•••••	• • • • • • • •	•••••	• • • • • • • •	• • • • • • •
DIFECTION (4~6	7-10			,	2°-33				GE 56	TCTAL %	ME AN WIND
١,	1.5	2• '	1.7	. 8	• 0			• • • • • • •		•••••		6.6	6.2
NNE	٠,۶	1.0	. 7	. 1								2.5	5 - 1
NL	ء .	1.1	.7	. 1								2.7	5 • 2
ENE	1.3	1.0	. 8	. 1								2.8	5.0
ι	1 • 7	1 • 3	. 6	.:								4.4	4.6
F 55	1 - ?	. 9	• 2	• 0								2,4	3.7
SE	1 • 3	. 9	. 1									2.3	3.4
558	1.7	1 • 2	• 2									3.1	3.6
١ ١	3.6	3 . 6	1.2	• 1								9.7	4.7
55₩	3.0	3.3	1.7	. 3								A . 3	4.7
5 w	2.4	5.2	2.C	• "								9.1	5.5
65m 1	1 • 7	2.7	2.2	. 7	٥.							7.3	6.7
- 1	2. "	3.2	2.3	1.0	. 1							9.5	6,4
ia ta se	1	1.9	1.3	• 5	• 1	•?						5.4	6.8
\. \ \	1 • 2	2.1	1.6	. 7	•1							5.9	6.4
1.Na .	1 • 2	1.8	1.6	. 7	• 1							5.4	6.6
VARIABLE !	•••••		٠,٠	•••••	• • • • • • •	• • • • • • • •	••••••	• • • • • • •	• • • • • • • •	• • • • • • • •	•••••	•0	9.0
CAL"	,,,,,,,,	,,,,,,,	11/1/1/1	11111111	,,,,,,	,,,,,,,	///////	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	15.6	111111
TOTALS	26.5	52.7	19.7	(• °	, r,	٠٦						100.0	4.6

TOTAL NUMBER OF ORSERVATIONS: 7230

SUBHAL CLIMATHLULY BRANCH PROCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIPLOTION VERSUS WIND SPEED LIGHT ACT FROM HOLDLY OPSERVATIONS

STATION NUMBER	P: 724096	STATION	. NAME:	MC GU IR E	AFB NJ				PERIOD (DE BECOR		.e7 1: 5561~	0200
	•••••	• • • • • • • •	••••••	• • • • • • •			IN KNOTS		• • • • • • • •	• • • • • • •	•••••	•••••	• • • • • • • • • • • • • • • • • • • •
DIRECTION I	1	4 -t	7-10		17-21	22-27	29-33	34-4C	41-47	46-55	GE 56	FETAL	ME AN Wind
λ	2.3	3.2	. t			•••••	********	• • • • • •	• • • • • • • •	• • • • • • •	•••••	6.2	4.5
NNE	. 9	1.0		• 1								1.9	4 • 1
NΕ	. 6	. 4	. ?									1.4	4.5
FNE	1.0	• 5										1.5	3.3
£	1.0	• 3										1.5	2.4
! 51	• €	. 1	. 1									٠,	3.4
\$t	٠. ١	. 1										• 6	ê • 3
< S1	1.1	• :	: 1									1.5	3.1
S	4.7	2.7	• 3									7.1	₹.₹
5 S W	6.:	2.8	. 4	• -								9.9	3.6
5 m	4.9	4.2	.4									9.6	3.6
4 5 A	0.5	2.7	. 4									5.2	3.7
₩	1.6	2.0	.6	• 1								4.5	4 • 3
in 14 in	1.5	1 • 6	. 1									3 . 4	4.0
N×	1.7	2.3	• ?									4.1	4.3
*He w	2.7	1 • 4	• 1									3 • 9	3.3
VARIABLE						•••••	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	• • • • • • •	•••••		••••••
	l	,,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,	///////////////////////////////////////	111111	,,,,,,,,,	,,,,,,,,	11111111	36.9	111111
TOTALS	} 1 33.4 }	24.45	4.6	. 5								100.0	2 • 3
	• • • • • • • • •							• • • • •					

TOTAL NUMBER OF O'SERVATIONS: 930

GLOBAL CLIMATOLOGY GRANCH CSAFETAC AIF WEATHER SERVICE/M/C

PLECENTAGE FREQUENCY OF OCCUPRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY OBSTRYATION

TION NUMBER:			-						MONTH:	JUL	HOURSILS		
 DIPECTION DIPECTION	1 -3	4 - 6			wIA	D SPECO	IN KNOTS 19-33	5			GE 56	TOTAL	MEAN WIND
· · · · · · · · · · · · · · · · · · ·	2.4	1.7	1.3	· · · · · · · · · · · · · · · · · · ·	• • • • • • • •	• • • • • • • •		• • • • • • • •	• • • • • • • • •	• • • • • • •		5.6	4,1
NOT !	.6	• 6	. 1									1.5	4.
NE I]•₹	• 2	. 1									1.6	2.
the 1	1.0	• 1										1.1	2.
ا د ا	1.1	4.0	.1									2.2	3.
155 1	1 - 1	. 1	• 2									1.4	3.
5; l		.7										1.7	٤.
· 51	1.5	• 3	•:									1.4	2 .
5 1	3 . u	2.5	. 6									5.3	· .
1 · 1 · 1	4.6	3.7	• 2	• 1	• 1							a . t	3.
54 I	3.7	1.9	• ?									5.6	3.
-S= 1	2.6	1.0										4.5	3.
. !	4.~	2.5	. 9									6.7	3.
klik İ	2	1.0	. 1									4.1	1.
1.97 E	2.7	1.7	. 4									4.1	3 . '
tiNa [1.6	1."	• 1	•:								2.8	3.5
VARIABLE	• • • • • • • •	•••••	•••••	•••••		•••••		•••••		• • • • • • •	•••••	• • • • • • • •	
ar i	11/1/////	,,,,,,,	11111111	11111111	1///////	///////	////////	///////	////////	,,,,,,,	11111111	41.6	11111
TOTALS	33	77.	4.1	. 4	. 1							130.0	2.

TOTAL NUMBER OF ORSERVATIONS: OFF

DEDMAL FLIMATCLOGY BRANCH USAFLTAC

FERCENTAGE FRECUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOWALY OBSERVATIONS

AIR AFATHER SERVICE/MAC

PERIOD OF RECURD: STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

IDEUREES) 1 UIND ^ 2.6 2.4 • 6 9.6 5.6 • 3 3.3 NNE . ¢ 5.6 ΝÜ 1.9 . 6 4.1 4 . 4 : • • 3.3 2.2 1.3 . 3 Ł . 9 • 3 • 5 • 2 . 1 SE . 5 ۲, ۲ ٠, 1.4 3.4 • 3 • 2 1.5 5 2,4 4.2 3.3 4.5 2.3 3.4 5.6 ; . F 9.1 4.9 2.5 3.7 7.0 4.4 . 54 2.5 3.4 .6 . : 4 .4 2. . 1.7 .5 . 1 5.7 3 A & 5.8 1.5 24.6 1.4 4.7 t. Inh 1.3 VARIABLE CALF 100.0 TOTALS . . 3 . 2

TOTAL NUMBER OF OPSERVATIONS:

GEORAL CLIMATOLOGY BRANCH LSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFR NU PEDIOD OF RECORD: MONTH: JUL HOUPS(LST): D900-11CD WIND SPEED IN KNOTS 017661104 | 17-21 27-27 28-33 34-46 41-47 46-55 GE 56 7-13 1 - 3 4-6 11-16 TETAL MEAN IDEGREES! ! WIND 5.6 2.0 . 1 13.2 3.4 . 4 2.5 1 - 7 ". NE 2.0 2.4 . 1 5.9 6.1 2.5 . . 2 • 3 5.1 4.0 A.C . 7 f HE 1.1 . 6 2.5 4.6 : · 5 2.3 1.2 5.9 4.3 ESF . 4 . 2 1.4 3.9 55 3.0 4 . 2 555 1. * . 1 2.2 5 2.2 1.6 .€ 4 . 2 5.8 554 1.6 3.1 1.1 . 1 4.8 5.7 S ni 3.4 1.8 . 3 6.9 1 . 3 WSW 1. 2 3.7 2.2 . 4 7.8 6.2 5.5 2.3 . 4 11.0 5.3 h less . 3 A . 1 5.6 1.9 1.1.4 7.3 VERTAPLE 1 CILM 7.3 ////// TOTALS 3F . f 23.0 4.4 . 1 100.0 5.0

TOTAL NUMBER OF 01 SERVATIONS: 930

DECT-AL CLIMATCLOGY BRANCH LGAFETAC AIO WEATHER SERVICE/MAC

STATION NUMBER: 774794 STATION NAME: MCGUIRE AFE NU

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87

4.7 /////

100.0

PERIOD OF RECORD: 78-87

HONTH: JUL HOURS(LST): 1200-1460

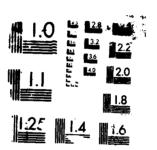
IND SPEED T4 KNOTS

DISECTION | 1-3 4-6 7-10 14-16 17-21 20-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN (DECRES) | IDECFEEST ! WIND n | 1,6 3,9 2,2 .5 5.8 1.0 · • 2 N. N.E. • 1 1 . 7 . 6 3.4 1 - 1 1.3 . 5 . 3 3.2 4.9 t.E I, I, E • 2 • 9 • 2 . 1 1.4 5.2 £ 1.5 1.2 . : 3.9 5.5 r 2 r 1.5 1.4 3.9 4.3 5E . . 4.7 SSF 4.9 1.3 1.6 3.2 2.7 2.2 5 . 1 6.8 4.9 552 1.4 . . 4 2.4 6.3 . . 6.1 1.2 2 . 4 3 . C 9.0 6.5 5 4 7.3 2.9 8.7 454 1. 1 6.4 . 6-4 . 7 . 9 6.4 1.5 3.8 13.9 is fow 2.7 3.9 6 - 8 14% 1. 7.8 2.3 6.2 1 . 3 1.7 6.1

TOTAL NUMBER OF OBSERVATIONS:

VARIABLE I C+L"

AD-A188 317 2/4 UNCLASSIFIED NL.



WE HOCOPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH LSAFETAC

PERCENTAGE FREQUENCY OF OLCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBEP: 724096 STATION NAME: MCGUIRE AFB NJ PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 15G0-17CD

									MONTHE	30[HOURSILS	11: 1500-	1700
DIPECTION ((DEGREES)	1-3	4-6	7-10	11-16	17-21	ND SPEED 22-27	IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TOTAL	ME AR WINC
N	1.6	3.0	2.4	. 5	••••••	•••••		•••••	•••••	•••••	•••••	7.5	6.
NNE	• 3	• •	• 5	• 1								2.0	6.
NE	. 9	. 4	. 4									1.7	4,
FNE	. 4	1.1	.4	• 1								2.0	5,
E	1.2	2 • 0	1.2	• 2								4.6	5.
E S E	• •	1.4	1.0	. 1								3 • 3	5,
SE	2. ?	2.7	1 • 3	. i								6.3	4,
SSE	1 - 1	2.9	.6	• 1								4.7	4,
s	1 • 9	5.3	2.5	٠,٦								10.0	5,
SSW	.9	3 • 1	3.0	• 3								7.3	6.
Sh	1.3	3 . 4	3.7	• 1								8.5	6 ,
k S al	. 9	3 • 8	3.3	• 6								8.5	6.
w	1.5	4.0	4.3	1.2	• 1							11.1	7.
WNw !	1.7	2.6	2.2	1.5								7.0	6 :
NE	1.0	2.5	2.9	.,								6.7	6
N N ar	1 • ₹	1.4	1.6	5 •	• 1							5.6	6
VARIABLE	'	•••••	• • • • • • • •		• • • • • • •	••••••	••••••			• • • • • • •	• • • • • • •	•••••	••••
CALM	,,,,,,,,,	//////	,,,,,,,	,,,,,,,	1111111	,,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	///////	,,,,,,,	3.0	////
TOTALS	1 18.5	40.0	31.5	5. 9	• 2							100.0	5
	• • • • • • • • •		• • • • • • •										

TOTAL NUMBER OF ORSERVATIONS: 935

GLOBAL CLIMATOLOGY BRANCH USAFETAC PERCENTAGE FREQUINCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS AIR WEATHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUINE AFB NJ

PERIOD OF RECORD: PERTURU OF RECURD: 78-87
MONTH: JUL HOURS(LST): 1830-2000

WIND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-15 11-16 17-21 22-27 28-33 34-40 41-47 46-55 GE 56 TOTAL MEAN
(DEGREES) | 4.6 N 1.1 NNE ٠, . 3 . 1 1.5 6.0 ΝĒ . 5 1.1 4.6 ENE . 1 Ε 1.5 • ? 3.7 3.2 ESE 2 . 2 . 2 4.1 3.6 SE 2.4 1.4 - 1 SSE 5.6 2.9 . 5 9.1 3.3 S 1.9 17.7 3.9 8.7 5.7 . 3 9.7 5 S W 3.9 1.1 . 1 4.0 Sh 2.9 1.4 • 2 7.2 4 . 7 5.4 5.5 1.9 . 9 . 1 4.5 4.1 1.5 • 3 NE 1 - ? NAM VARIABLE CALM 12.3 ///// TOTALS 100.0 3.0

TOTAL NUMBER OF OBSERVATIONS:

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED LABELY OF SURFACE WIND DIRECTION WERE WIND DIRECTION WERE WIND DIRECTION WERE WIND DIRECTION WERE WIND DIRECTION WERE WIND DIRECTION WERE WIND DIRECTION WERE WIND DIRECTION WERE WIND DIRECTION WERE WIND DIRECTION WIND DIRECTION WERE WIND DIRECTION WERE WIND DIRECTION WIND DIRECTION WERE WIND DIRECTION WIND DIRECTION WERE WIND DIRECTION WIND DIRECTION WERE WIND DIRECTION WIND DIRECTION WERE WIND DIRECTION WIND DIRECTION WERE WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTION WIND DIRECTIO

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUIRF AFB NJ PERIOD OF RECORD: 79-87 MONTH: JUL HOURS (LST): 2100-2300 WIND SPEED IN KNOTS 17-21 22-27 28-33 TOTAL DIRECTION ! 48-55 GE 56 34-40 WIND 5.3 NNE . 6 • 6 1.7 4.8 NE . 2 . 1 • 1 1.1 • 6 3.5 ENE . 4 . 1 . 6 . 1 2.5 2.1 ٤ 2.2 • 3 1.4 2.7 E SE 1.0 . 4 2.0 2.5 . 5 Sξ 1.5 2.8 SSE 2.7 1.7 3.7 15.2 3.3 S 9.2 5.2 . 9 3.8 554 1.3 15.3 7.4 4.1 Sw 3 . 6 4.7 3.6 1.7 2.5 • 2 1.3 4.7 3.9 2.6 1.0 2.1 5.1 WNW . 5 1.1 • 3 • 1 5.2 2.3 N. • 5 1.4 • 3 4 . 2 2.9 NNE 1 . 3 1.3 . 3 VARIABLE CALM 100.0 TOTALS 7.0

TOTAL NUMBER OF GRSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH LSAFLTAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER	7: 7:4096	STATION	NAME:	MC GU IR C	AF3 NJ				PERIOD Month:	OF RECOR	D: 78- HOURSILS1		L
STORM NI CESTE ONLY													
DIFECTION (IDEGREES)		4-6	7-10	11-16	17-21	22-27	28-33		41-47	48-55	GE 56	TOTAL	MEAN
N 1	2.1	3.7	1.7				• • • • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • • • •	7.2	•••••
i			• • •	• ,	• 0							1.2	5.4
NNE 1	. 7	1 • 1	• 7	• 1								2.7	5.4
я	1.0	٠,	. 4	. 1								2.4	4.3
₹NE	. 9	• 6	• 2	• 0								1.7	4 • 1
L	1.6	1.3	• 6	- 1								3.5	4.7
ť SE	1.1	• 6	. 4	. 0								2.1	4.0
SF	1.2	1.0	• 3	• 3								2.7	4 - 1
SSE	1.9	1 • 3	. 4	٠ ٥								3.5	3.8
\$	4.9	3.4	1.1	. 1								9.0	3.9
° S in	3,6	3 • 6	1 • 3	• ?	• 0							8.6	4.4
S.	2.7	3 • 5	1.6	. 2	• 0							8.0	4.9
WSW	1.9	3 • 0	1.3	• 3		• 2						6.4	5 • 3
•	2.3	3.2	1.7	. 3	• 0							7.6	5 • 2
h Nh	1.5	2.5	1.3	• 3								5.4	5.5
feai	1.5	2.7	1.3	. 3								5.0	5.5
P2 Te ai	1.5	1.0	. 9	. 4	• 0							4.7	5.4
	• • • • • • • •				•• • • • • •								
VARIABLE	 												
CFLM		1111111	,,,,,,	11111111	,,,,,,,	,,,,,,,	,,,,,,,,,	//////	11111111	,,,,,,,	,,,,,,,,	19.6	111111
TOTALS	29.8	32 • °	15.	Z• 5	• 1	•^						100.0	3.9
	• • • • • • • •	•••••											

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOGAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

DIPECTION | 1-3 4-6 7-10 11-16 17-21 22-7 27-7

OIRECTION (DEGREES)		4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
ħ	2.0	2.4	1.2	. 3	• • • • • • • •				•••••	••••••		5.9	4.9
NNE	.5	1.1	• 2									1.8	4.4
NE.	.9	۹ .	• 5									2 • 2	4 • 2
FNE	. 8	. 9	. 3									1.9	4 . 4
E	1.5	• 5	• 1									2.2	2.7
E SÉ	. 4											. 8	1.6
SE	.8	•:										. 9	2.0
SSE	1.7	. 4										1.7	2.7
5	5.4	3 • 2	• 5									٥٠١	3.4
S S W	. 5.5	4 • 2	. 3									10.0	3.4
Sw	1 3.9	4.2	• 3	•:								8 • 2	3.9
WSW	2.3	2.9	• 6	. 1								6.0	4.2
tu.	4.0	1.9	• 2									6.1	3 • 2
is N is	1.7	1.7	. 4									3 • 4	4 . 3
NW	. · ·	• 6	• 2									1.4	4.4
*iNa	. 9	1.7	• 5									2.4	4.5
VFRIABLE		• • • • • •	•••••	•••••	• • • • • •	•••••	••••••	• • • • • • •	•••••	• • • • • • •	••••••	•••••	•••••
CALM	i <i>,,,,,,,,</i> ,,	'''''	11111111	////////	1111111	,,,,,,,,	/////////	1111111	11111111	,,,,,,,	///////	36.0	/////
TOTALS	32.7	25 • 7	5.7	• 5								190.0	2.4

TOTAL NUMBER OF OSSERVATIONS: 930

GLOCAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

FERIOD OF RECORD: MONTH: AUG HOURS (LST1: 0300-0500 WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 DIRECTION I TCTAL MEAN WIND IDEGREES! 1 3.7 2.0 4.2 NNE . 6 1.2 . 2 2.3 5.2 NE • 9 1.0 • 3 . 2 • 2 . 1 2.3 4.2 ENE 1.9 3.2 Ĺ 1 . 2 . 5 2.0 rse . 5 . 6 . 1 ٠,٩ 2 . 4 SE . 4 SSE 1.2 7.3 3.1 4.9 2.0 S . 3 3.9 3.7 • 5 7.4 6.7 3.7 4.7 3.7 4.7 3.0 3.1 4.0 . 2 MIN 1.0 1.4 4.3 2.7 1.5 . 1 NW . 5 files CAL" 38.3 ///// 100.0 TOTALS

TOTAL NUMBER OF OBSERVATIONS:

GLURAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SFRVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY OBSERVATIONS

ITON NOWREK:	P: 724096 STATION NAME: MCGUIRE AFB NJ											PERIOD OF RECORD: 77-86 MONTH: AUG HOURS(LST): 0609-0800					
	• • • • • • • • •	• • • • • • •	•••••	•••••		ND SPEED			• • • • • • • •		•••••	• • • • • • • • •					
DIRECTION OF GPEES)	1-3	4 -6	7-1G	1 1- 16					41-47	48-55	GE 56	TOTAL	MIND				
N .	3.2	5.7	2.7	. 1	• • • • • • •	••••••		• • • • • • •	• • • • • • • •	• • • • • • •	•••••	11.2	5.				
NNE	1 • 4	2 • 0	1 - 4	• 2								5.1	5.				
NE .	1 - 7	1.7	• P	• 2								4.2	5 .				
ENE	1.0	1.9	. 3	• 3								3 • 5	5.				
Ε	1.5	• ?	.6									2.4	3 •				
FSE	۰,	•2										1.0	2•				
SE	. 5	• 3	. 1									1.0	3 .				
322	1.1	• 1										1.2	1 •				
s	3.7	2.4	.5									6.6	3,				
554	2.7	4.3	1 • 3	• 1								8 • 1	4.				
Sa	3.3	3.4	.6	. 3								7.7	4.				
WSW !	1.1	2 • 6	• 8									4.4	4,				
н	2.6	2 • 6	.8	• 1								6.3	4.				
14 M M	1.6	2 • 4	• 2									4.2	3.				
N=	1.5	2 - 3	. 6	• 1								4.7	4.				
tins.	2.4	1 • 9	1.0	• 2								5.4	4.				
VARIABLE	• • • • • • • •	•••••	• • • • • • •	• • • • • • • •	• • • • • •	•••••	•••••	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • •	• • • • • • • •	• • • • • • • •	•••••				
CALM I	,,,,,,,,,	,,,,,,,,	11111111	,,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	23.4	11111				
101465	29.5	33 • 3	11.9	1. 7								100.0	3.				

TOTAL NUMBER OF ORSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WLATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY OBSERVATIONS

PEPIOD OF RECORD:

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

HONTH: AUG HOURS (LST): 0930-1100 WIND SPEED IN ANOTS
1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 DIPECTION 1 41-47 48-55 GE 56 TOTAL MEAN WIND INEGR: FSI | 1.9 11.1 5 . 1 3.2 6.0 14 . 9 NNE 2.0 2.6 1.9 . 2 . 1 6.9 5.6 . 1 3.1 . 9 7.4 NE 1.6 1.7 6.4 FNE 2.5 1.0 . 1 . 1 4.8 5.5 £ 1.4 4.2 5.2 FSE. • 2 2.4 3.3 1 - 3 1.8 3.4 S€ 1 • 1 • 2 3.7 SSE S • 5 4.3 1 . 3 1.7 6.7 SSW 4.1 1.3 . 1 5.2 1.2 9.5 5.7 5 * 4.6 2.9 . 3 1.6 7.4 5.9 WSW 1.5 3.0 2.7 . 2 4.7 2.7 . 3 9.7 5.8 1.4 ¥ N¥ 1.6 2.9 1.4 6.3 5.6 NE 6.5 5.9 NNa 6.9 VARIABLE ! C/ L 4 6.0 ////// 100.0 TOTALS 23.4 5.1 • 3 5.2

TOTAL NUMBER OF OHSERVATIONS:

OLDBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SFRVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY DRSFRVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86 MONTH: AUG HOURS(LST): 1200-1400

											110043163		
		• • • • • • •	•••••	•••••	wIt	ND SPEED	IN KNOTS	•••••	• • • • • • • •				•••••
DIPECTION (OFGPEES) (1 - 3	4 -6	7-10	1 1- 16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TCTAL	ME A N W I N D
N .	2.7	3.1	2.3	. 9	• • • • • • •	• • • • • • • •	•••••	• • • • • • •	•••••		••••••	8.4	5.8
NNE	.6	1.6	1.1	. 3	• 2							3.9	7.0
ΝĒ	• •	1.4	. e	• 3	• 1							3.4	6.7
L NE	. 8	1.5	2.5		• 2							4.9	7.0
£	1.2	1.9	1.6	. 4	• 1							5.3	6 • 2
LZE	1 • 1	1.3	. 3									2.7	4 • 1
SE	.5	. 9	.4									1.8	4.9
5 S E	. 9	٠,	• 3									1.9	4 . 3
S	. 9	2 • 3	1.6									4.7	5.4
SSW	1 • 3	3 • 1	1.7	. 1								6.2	5.4
SW	1.1	3.0	3.4	• 3								7.8	6.5
WSW	1.7	3.0	2.9	1. 2								6 • 8	6.5
in .	2.4	6•₽	3.4	1.5								13.3	6.3
ल रेड भ	1.9	3 • 5	2.4	• 9								8.7	6 • 1
NW	1.6	4.?	1.4	1. 3								8.6	6.3
P. N.W	1.7	2.3	1.0	1 • 2								5.7	6.6
VARIABLE	! !	•••••	• • • • • • • •	• • • • • • •		•••••	•••••	• • • • • • •	· • • • • • •	• • • • • • • •	•••••	•••••	••••••
CALM		///////	(//////	11111111	111111	,,,,,,,,	111111111	1111111	////////	,,,,,,,	,,,,,,,,	3.7	111111
TOTALS	20-1	40 • 1	27.1	4. 4	• 6							100.0	5.9
			• • • • • • •	• • • • • • • •									

TOTAL NUMBER OF OBSERVATIONS: 930

GLOGAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER			Name:	MCGUIRE	AFE NJ				PERIOD MONTH:	OF RECOR	D: 77- HGURS (LST		1700
	• • • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •			IN KNOTS	• • • • • •		••••••			•••••
DIRECTION (DEGREES)		4 -6	7-16	1 1- 16	17-21	22-27		34-40	41-47	48-55	GE 56	TOTAL	ME A N WIND
4	1.4	2.8	1.6	. 3		•••••	•••••	• • • • • • •	•••••			6.1	5.9
UNE	.4	• 6	.4	• 1	• 2							1.8	7.1
NF	• 3	• 6	• 0	. 6								2.5	8 • 0
ENE	. 4	2.0	1.1	• ĉ	.1							3.9	6.7
E	1.0	2.4	2 • 2	. 2								5.7	6.1
FSE	1.0	2.5	. P									4.2	5.0
SE	. 9	ž•°	•6									4.3	4 .8
SSE	1.6	3 • 3	. 8	• 1								5.8	4.6
s	1.9	4.3	1.9	• 1								8 • 2	5.0
SSW	1.4	2.9	2 • 4	• 2								6.9	5.8
S.	1.4	2.6	2 • C	• 2								6 • 2	5.8
WSW	. 9	3 • 2	2.6	. 6					•			7.3	6.5
16	2.5	4 • 3	3.3	• 3								10.8	5.7
k Nie	2.7	3.0	1.9	• 9								9•2	5 • 6
NW	1.6	3 . 5	1.3	1. 4								7.8	6.4
N: N: in	2.2	1.7	.8	• 5								5 • 2	5.3
VARIABLE		• • • • • • • •	•••••	• • • • • • •				• • • • • •		• • • • • • •	•••••	• • • • • • • • •	••••••
	i I <i>/////////</i> ///////////////////////////		,,,,,,,	////////	,,,,,,,	,,,,,,,,	111111111	(111111		,,,,,,,	,,,,,,,,,	4.1	111111
TOTALS	21.5		24.4		• 3							100.0	5.5
	• • • • • • • • • •						• • • • • • • •						

TOTAL NUMBER OF OUSERVATIONS: 930

GEGRAL CLIMATOLOGY BRANCH LSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OPSERVATIONS

PERIOD OF RECORD:

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724090 STATION NAME: MCGUIRE AFB NJ

PERIOU UF RECURD: 77-96

MONTH: AUG HOURS(LST): 1800-2000

I WIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-16 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEA
(DEGREES) | MEAN WIND ٨ 1.5 1.6 NNE . 4 • 5 6.9 NE 1 - 1 .6 . 1 1.6 2.8 5.0 ENE . 6 1.4 •€ 2... Ł 1.3 . . 3.8 3.5 T S E 2.9 1.7 4.6 2.9 S€ 1.0 2.2 4.3 3.5 SSE 3.4 1.0 • 5 5.9 3.6 5 10 - 2 5.3 1.7 20.2 3.7 SSW 4. 7 3.0 9.7 4.0 6.0 4 . 1 Si 2.5 3.0 . 5 3.7 2.0 4.6 1.6 WSW . 5 3 . 1 5.6 4.1 1.7 . 4 . : . 4 3.0 4 . 7 L D 1 . 7 . 4 3.2 5.5 NW 1.0 1.4 • 5 • 3 NIN . 3 3.5 VARIABLE CALM 15.2 ///// 100.0 TOTALS 3.4

TOTAL NUMBER OF OBSERVATIONS:

ULOBAL CLIMATOLOGY BRANCH LSAFETAC AIR SEATHER SERVICE/MAC

PERCENTAGE FREGUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: PERIOD OF RECORD: 77-86
HONTH: AUG HOURS(LST): 2160-2360

I WIND SPEED IN KNOTS
DIPLOTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN (OCUPEES) | 5.3 NNF ٠ ٥ . 1 . 2 1.8 4.5 . 8 . ? . ? 2.7 4.4 NE 1.4 ۰, . 1 1.7 3.4 ENE 1.0 . (3.6 £ • 3 • 3 1.9 1.7 2.4 ŁSE . 4 SE 1.6 2 • 2 558 . 9 . 1 4.2 2.7 , c 12.4 3.5 4.2 16.1 4.0 556 F . 5 1.1 . ? 6 . 3 4.2 2.8 . 4 • ? . 1 8.6 5.2 3.6 #SW 2.8 : 3.7 3.9 1.7 1.4 . 4 . 1 4 . 3 WNE . ? • 1 2.3 NW • 1 1.6 4.2 NNa 4.2 VARIABLE | 28.2 ///// CALII TOTALS 100.0 2 . 8

TOTAL NUMBER OF DESERVATIONS:

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND UTRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFR NJ PEPIOD OF RECORD: 77-86

									MONTH:	A U G	HOURS ILS	11: AL	L
• • • • • • • • • • • • • • • • • • • •		•••••	•••••	• • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	ND SPEED	IN KNOTS	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	••••••	• • • • • • • • • • • • • • • • • • • •
UIPECTION (DEGREES)		4 - E	7-10	1 1- 16			2F-33		41-47	48-55	GE 56	TOTAL	ME A N
1i	2.3	3.1	1.6	. 4	• • • • • • •	• • • • • • • •	••••••	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	7.4	5.2
	F												
NNE	.9	1 • 7	. 7	• 2	• 1							3.2	5.7
NE.	į :•ɔ	1.2	. 7	• 3	• 0							3 • 3	5.7
ENE	. 9	1.5	. 8	. 1	• 1							3.2	5.5
Ł	1.4	1.1	. 8	• 1	•0							3.4	4.8
ESE	1.2	• ô	. 2									2.2	3.5
SE	1.0	. •	• 2									2 • 0	3.7
SE	1.7	1.1	• 2	• 17								3.7	3.5
5	4.4	3 . 7	1.0	• 5								9.0	3.8
5 S m	3.2	4 . 3	1.3	. 1								ē.9	4.4
SW	2.5	3 • 6	1 • 3	• 2								7.6	4 . 8
* 5 W	1.0	2.6	1 • 4	. 3								6.1	5.1
×	2.5	3.2	1.4	• 3								7.4	5.0
whw	1.5	2 • 3	• 6	• 3								5.0	5 • 2
NW	1.4	2 • 2	. 7	• 5								4.3	5.5
t, eg w	1.6	1.6	. 7	. 4								4.2	5.0
VARIABLE		•••••	• • • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	•••••		• • • • • • • •			• • • • • • • •	
	1												
CVEM	1//////////////////////////////////////	,,,,,,,	,,,,,,,,	'''''	,,,,,,	,,,,,,,,	////////	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	19.4	/////
TOTALS	29.1	34 • 4	:3.9	3 • 1	• 2							100.0	3.9
	• • • • • • • • • •												

TOTAL NUMBER OF OUSERVATIONS: 7440

GLOUAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER:	724296	STATION	NAME:	MC GU IR E	AFR NJ				PEPIOD MONTH:	OF RECOR): 77~ HOURS(LST		02 00
	• • • • • • • •	•••••	• • • • • • •	• • • • • • •			IN KNOTS		• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	•••••
DIFECTION IDEGREES)	1 - 3	4 -6	7-10	1 1- 16			28-33		41-47	48-55	GE 56	TOTAL	ME A N H I N D
N !	5.2	3 . 3	. 6		• • • • • •	• • • • • • • • •		•••••	• • • • • • • •	• • • • • • • •	• • • • • • • •	9.4	3.6
NNE	1 • 1	1 • 4	• 9									3 . 4	4.9
NE I	2 • 1	1 • 9	. 8	• :								4.9	4.3
ENE	1 • 3	1.1	• 9									3 . 3	4.7
Ł	1 • 2	• 6	• 6	• 2								2.6	5 • 1
rse i	• 6	• ĉ	• 1	• 1								1.0	4 - 3
SE Í	. 4	• 1	• 1	• 1								• 8	5 • 0
SSE	1 • 0	• 1	• 1									1.2	2.9
S [1 • 7	1.1	- 1									3.1	3 • 1
55% I	3.7	3 . 6	1 • 3									8.6	4 • 2
t w2	2 • 3	3 • 9	1.0	• 1								7.2	4.5
* S # 1	2.0	2.9		• 3								5.8	3.7
*	2 • 3	1.5	• 1									4.0	3.4
1 No. 1	1 • 3	1 • 1	. 4									2.9	4.3
riw I	. P	1.4	1.0									3 • 2	5,4
1-Nn 1	1.2	1.7	• 6	• :								3.0	5.0
VARIABLE		•••••	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • • •	••••••	• • • • • •	• • • • • • •	••••••		••••••	•••••
CALM	,,,,,,,,	///////	//////	,,,,,,,,	111111	,,,,,,,,	,,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,,	1111111	35.6	111111
TOTALS	29.3											100.0	2.7

TOTAL NUMBER OF DASERVATIONS: 900

SENDRAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

100.0

PERIOD OF RECORD: 77-86 STATION NUMBER: 724096 STATION NAME: MCGUIRE AFR NJ MONTH: SEP HOURS (LST): 0300-0500 WIND SPEED IN KNOTS DIRECTION ! 1-3 4 -6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN WIND (DEGREES) | 4 . 1 Ŋ 4.7 3.9 1.1 . 1 . 8 4.3 NNT 1 - 1 2 . 4 5.0 NE 1 . 4 3 • 1 • 6 . 1 5.2 4.5 • 2 FNE • 7 3.4 4.2 ξ 1 . 3 . 3 . 1 . 1 4.6 ESE . 2 8.5 \$ E 2.0 . 5 . 7 4.0 SSE . 1 . 1 1.7 5.5 5 1.2 . 1 . 1 . 1 .6 4.4 5 S W 2.3 1.4 . 2 . 1 Sh 3.4 3.7 25 W 2.9 2.4 . 1 . 1 5.6 3.5 4 . 2 • 7 2.7 • 7 5.3 . 1 INN • 2 . ! 1.4

. 1

TOTAL NUMBER OF ORSERVATIONS: 740

TOTALS

GLOBAL CLIMATOLOGY BRANCH L'SAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

ATR WEATHER SERVICE/MAC

STATION NUMBER: 724J96 STATION NAME: MCGUIRE AFB NJ PETIOD OF RECORD: MONTH: SEP HOURS (LST): 0600-0800 DIOLOTION | 1-3 4-6 7-10 11-16 17-21 22-27 2P-33 34-40 41-47 48-55 GE 56 TOTAL MEAN MEAN 10 1 3.1 3.5 1.8 5.3 . 6 MNE 2 . 2 3.2 2.4 • Z 8.1 5.5 2.7 ΝĒ 2.4 2.2 . 4 7.4 5.3 ENE 1.9 :.6 1.3 • 2 • 2 5.2 5.9 . 1 E 1.7 • 6 . 1 2.4 3.7 rse . 6 . 9 2.3 SĒ • 3 1.3 2.2 555 . 7 3.6 • 6 2.0 1.4 5 . 6 . t 5.0 1.4 2.2 , 4 . 1 4.5 554 2.0 5 W 3.2 1.0 . 3 6.6 4.5 7 S . 1.9 2.4 1.3 . 2 5.0 1.0 4.5 1.0 4.4 1.6 1.0 W N . 1.0 6.7 NW ٠, 2 . 7 1.0 5.2 NRW 1.9 1 . 9 VARIABLE CALM 25.8 ////// TOTALS 100.0 3.7

TOTAL NUMBER OF OBSERVATIONS: 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOUNLY OBSERVATIONS GLUBAL CLIMATOLOGY BRANCH AIR WEATHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUITE AFR NJ

PERIOD OF RECORD: PERIOD OF RECORD: 77-86

MONTH: SEP HOURS(LST): 0900-1100

WIND SPEED IN KNOTS

OIPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 46-55 GE 56 TCTAL MEAN
(DEGREES) | 77-85 . 1 3.7 6.7 2.2 4.4 1.3 11.8 P. N.E. 1.7 • 1 2.0 2.6 . 7 7.0 6.3 NF 1.7 2.7 2.6 1. 3 8 . 4 6.5 ENE 2.1 1 . t 2.8 . 3 7.2 6.3 Ł 2.1 1.7 . 4 5.3 i SE 1.1 2.7 4 . 4 2.1 . 4 . 4 1.5 1 36 ٠ ٤ . 1 5 .6 Ś 1 . 4 1.2 1.1 . 2 4.0 5 . 3 5.9 1 - 2 1.9 . 2 5.5W 2.6 6.3 . 9 2.9 5.6 5. 1.6 . 2 . 1 6.0 ... • 3 659 1.2 2.6 • 2 7.1 6.8 1. 4.7 2.1 1.1 A.9 6.5 ... 1 • 1 1.7 . 4 . 1 . 1 7.6 t. 2.3 1.0 . 1 6.0 7.9 VARIABLE CELP 6.3 ////// 100.0

GLOHAL CLIMATCLOGY BRANCH LSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS

PEPIOD OF RECORD:

8.1

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

| HONTH: SEP HOURS(LST1: 1230-1400 | HONTH: SEP HOURS(LST1: 1230-1400 | DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN (OLGRES) | (DEGREES) ! WIND N 1 6.9 NNE 1 - 1 2 • 7 1 . 1 . 8 6.0 NE . 7 1.9 . 4 . 1 5.7 7.3 1.7 1.3 6.7 ENE 1.6 i . 6 6.1 2.0 £ 1.7 2.2 • 9 €.4 6.0 . 4 FSE . 9 . 9 . 1 2.3 5.0 1.4 . 2 1.9 SE . 2 5.0 . 3 . 9 . 3 SSE 1.6 5.2 s 1 • 3 3.0 1.4 • € 6.3 5.9 2 • 1 2.0 . 6 • 2 6.4 Sw 2.4 2.0 ٠ ٩ 5.4 7.3 • 2 . 9 3 . 0 3 • P . 9 8.7 6.9 * 5 W . 1 4.0 3.3 . 9 . 7 10.1 1.7 6.7 1.9 2.7 2.4 1.4 . 3 7.8 KNW . 1 8.9 2.-3.3 1.3 . 1 8.0 NW 1 . 2 7.6

CALM 5.3 ////// 1.0 . ? TOTALS 30.5 11.3 . 1 100.0 6.5

. 9

. 2

TOTAL NUMBER OF OBSERVATIONS: 933

1 . ?

LANK

VARIABLE

GLUBAL CLIMATOLOGY PRANCH LSAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRF AFB NJ

PERIOD OF RECORD: 77-86 MONTH: SEP HOURS(LST): 1500-1700

	• • • • • • • • • • • • • • • • • • • •		•••••	•••••	• • • • • • • • •		IN KNOTS		• • • • • • • •	••••••	********		•••••
UIPECTION (DEGREES)		4-6	7-10	11-16	17-21	22-27	58-33	34-46	41-47	48-55	GE 56	TCTAL	ME AN WIND
N	1.1	2.9	2.2	1.4	• • • • • • •	•••••	••••••	• • • • • • •	•••••	• • • • • • • •	•••••	7.7	7.2
NNE	1.2	1.2	1.6	. 3								4.3	6.2
NF	.7	1.7	1.3	• 2								3.4	6.2
ENE	l .6	2.4	2.0	. 4								5.4	6.4
E	1 1 3	4 . 2	2.7									7.9	5.6
rse	1 1.2	2.6	. 3									4.1	4.3
SE	l ! .6	c	••									3.4	5 • 5
SSE	l 1 .s	2.2	٠.٤									3.3	5.0
S	! ! 1•°	2.2	2.2	. 7								6.5	5.9
SSW	l 1.4	3 - 2	1.7	• 3								6 • 7	5.4
Sin	1 2.7	3.4	2.1	• •	• 1							9.6	6.1
w S W		3.0	2.4	. 2								6.6	6.3
	[1.9	3 • €	2.3	• 7	• ?	.1						8.7	6.6
WNW	1 1.1	1 • 6	1.7	1 • C		.1						5.4	7.3
NL .	 .e	1.9	₹.2	. 4	. 1							6.3	7.2
filew	1 ! 1.0	1.7	2 • 1	1.2	. 1							6 • 1	7.7
	! ••••••												
VARTABLE	1												
CALM	1 <i>////////</i> 1	,,,,,,,	11/1////	''''''	,,,,,,	,,,,,,,,	,,,,,,,,	1111111	////////	,,,,,,,	,,,,,,,,	5.7	111111
ICTALS	18.2	39 • 2	29.2	7.6	• 6	• ?						100.0	6.0
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •		• • • • • • • •		• • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	••••••	

TOTAL NUMBER OF CASERVATIONS: 930

ULJBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREGUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

IICN NUMBER:	: 724096	STATION	NOME:	MCGUIRE	are NJ				MONTH:	OF RECOR		11: 1620- 86	2000
 17861104 1893581	1 - 3	4 -6	7-15		wI 17-21		IN KNOTS 2F-33	34-4C	41-47	48-55	GE 56	TOTAL	ME A N WINC
N 1	1.1	3.3	2.2	. 4	• • • • • • •	• • • • • • • •	•••••	• • • • • • •	•••••	• • • • • • •	••••••	7.1	5.
NNE !	1.1	• 7	•6									2.3	4 ,
NE.	• 3	1.3	1.0									2.7	5 ,
F NE	. 9	2 • 6	• 9									4.3	5.
Ł	3. ∩	2 . 3	. 7									6.0	3 .
FSE !	2 • 6	• 7										3.2	2 •
SE	3 + 2	1.2	. 1									4.6	3 .
55€	3,4	2.9										6 • 3	3 .
5	5.3	7 + 9	1.6	• 7								15.1	4.
5 S #	4.1	4 • C	1.1	• 1								9.3	4
SW I	2 • 1	1.4	. 7									4.2	4 .
22 X	1.7	1.4	•?									3.3	3
	1.9	2.2	.6	. 7								5.9	4
who !	1.1	1.4	. 4	• 2								3.2	4.
Na	. 7	1.9	.6	• 2								3.3	5
504	1.2	1 • 1	. 3	. 3								3.0	5
VARTABLE	• • • • • • •	•••••	• • • • • • • •	• • • • • • •	• • • • • •	•••••	•••••	• • • • • • •	•••••	• • • • • • •	• • • • • • • •		••••
CAL"	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,	,,,,,,,	///////	,,,,,,,	11111111	,,,,,,,	,,,,,,,	16.9	////
TOTALS	33 . e	36 . 3	11.1	1. 9								107.0	3

TOTAL NUMBER OF ORSERVATIONS: 900

GLOPAL CLIMATOLOGY GRANCH LSAFETAC AIR MEATHER SERVICE/MAC

PERCENTAGE FREGUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOWALY OBSERVATIONS

FERIOD OF RECORD: 77-86
MONTH: SEF HOURS(LST): 2100-2300 STATION NUMBER: 734796 STATION NAME: MCGUIRE AFB NJ

									MUNIN:	264	HOURSILS	11: 2100-	2300
UIPECTION COLGRESS		4-6	7-10	11-16	#J 17-21		IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TOTAL	ME AN WIND
Ň	2.7	2.9	1.2	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••	•••••	•••••				6.4	4.6
MAE	. 7	1.3	• ?	. 4								2.7	5.7
NE	1.3	2 • 1	1.3	. 3								5.1	5.4
£ ME	1.4	2.5	٠٤									4.2	4.6
£	1.6	• 7	• 2	• ?								2.8	4.4
rse	1 1.1	. 1	• 1	. 1								1.4	3.2
SE	1.2	• 8	• 2									2.2	3.4
S S E	1.5	. 1										1.7	2 • 1
S	2.9	2.3	•3									5.6	3.6
SSW	3.9	5.0	1.8	. 1								11.7	4.4
5 e	3.4	4 • F	1.5									9.2	4 - 1
#5#	1.2	1.2	• 2	• 4								2.9	4.6
•	1 . 2	1 - 7	• 1	- 1								3.1	4 • 1
Sec Partie	.4	1.0	.6	• 2								2.4	5.5
N#	1.1	; . c	. 7	. 3								3.9	5.7
**New	1.7	1.7	• 3	• .:								3.6	4.6
VARIABLE (AL"	! ! !												
TCTALS	26.4	30.1	5.1	2.4								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 700

GLORAL CLIMATOLOGY BRANCH USAFETAC

PEPCENTAGE FREQUENCY OF OLCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY OBSERVATIONS

PERIOD OF RECORD:

AIR FATHER SERVICE/MAC

#EMIOD OF RECURD: 77-86 #ONTH: SEP HOUPS(LST): ALL #IND SPEED IN KNOTS **DIPECTION | 1-3 4-6 7-10 11-16 17-21 20-27 2P-33 34-40 41-47 48-55 GE 56 TOTAL MEAN **CUEURIES) | 5.5 8.7 N. 2.6 3 . 7 2.1 • t: • 1 1.9 4.7 5.6 NNE 1.3 1.3 • 3 .: ٨r 5.7 2.1 1.6 . 4 . ? 5.4 1 - 3 FNE 1.5 1.7 1.4 . 4 ٠,٦ 4.7 5.7 • 0 4.5 5.1 rse • 2 2.0 3.9 1.0 • 2 2.1 3.9 S٤ 3.9 . 9 . 2 • 0 SSE 2 • 1 2.5 1.0 . . • 0 • 2 6.1 4.8 ۵ 2 • 7 • 2 7.1 4 . A 2.4 3.0 1.5 • 3 354 2.9 Sw 2.: 1.2 • 3 6.7 5.0 5.7 5.4 1.7 2.5 1.2 • 0 1.3 . .? 5.9 5.6 1 • 1 1.5 1.0 . 1 4.2 . 0 1.9 . 4 4.9 6.5 ۸. 1.6 . 1 . 1 tite's 1.2 20.5 ////// :00.0 4.3

TOTAL NUMBER OF OSSERVATIONS:

GEOSAL CLIMATCLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB NJ

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PERIOD OF RECORD: 77-86
MCNTH: OCT HOURS(LST): DRDD-0200

| WIND SPEED IN KNOTS
DIRLCTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 4:-47 48-55 GE 56 TOTAL HEAD IDEGREES! ONIW_N 5 - 7 7.3 5.2 • 6 . 9 NNE 2.8 1.1 • 3 . 1 5.1 5.8 ΝE . 0 . 4 5.5 2.7 1.6 4.5 FINE • 2 • 6 .6 • 1 1.6 6.9 £ 1.1 FSC . 9 2 • 3 SE • 3 2.8 . 9 1.4 3.0 4.2 3.0 4.2 5 S w 2.4 1.3 6.7 SW 3 . 1 2.2 . 8 6.5 4.5 . 4 1.9 4.5 1.5 W 7.6 . 6 . 1 5.5 3.3 3.8 1.7 . 4 . 1 9.8 5.2 KNE 1.0 1.1 1.2 . 6 3.9 6.8 44 ٠, 3.0 5.9 Display VARIABLE ! CALM 33.1 ////// 100.0

TOTAL NUMBER OF GREENATIONS:

GLJÖAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 77-86 STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ MONTH: OCT HOURS (LST1: 0300-0500 WIND SPEED IN KNOTS DIFECTION 7-15 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN IDECPEES! | 3 WIND 4.6 4.5 1.1 4.1 • 6 2.4 1.7 • : 5.7 6.2 NNE 1.2 . 2 2.4 . 3 6.2 5.4 ΝF 1.8 1.7 1.2 5 • 1 • 3 ٤ • 2 • 6 • 2 1.5 7.6 . 4 2 • 3 LSE 1.9 3.7 . 4 . 1 SE . 2 1.3 3.6 5 S E . 1 5.6 3.7 2.8 2.3 .5 5 3.0 4.5 SSA 1.6 1.4 . 8 5.2 4.7 1.7 2.3 1.2 SW 5.3 4.8 2.0 . 4 454 2 • 3 . 1 9.2 2.7 4 . 4 1.8 . 1 5.2 3.7 1.0 1.3 . 1 6.6 ٠ ٩ 1 . 7 1 - 1 3.3 6.2 1 . 3 4.2 t.Nh VARIABLE C 8 1 14 34.4 ///// 100.0 TOTALS 3.3

TOTAL NUMBER OF OPSERVATIONS: 930

GLOBAL CLIMATCLOGY BRANCH LSAFLTAC AIR MEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOUNLY OBSERVATIONS

PERIOD OF RECORD: 17-86
MONTH: OCT HOURS(LST): 0600-080C STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB NJ

	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	•••••	٠٠٠٠٠٠	O SPEED	IN KNOTS	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •	•••••
DIRECTION (IDEGREES)	1 - 3	4 -u	7-10	1 1- 16	17-21	22-27	29-33	34-40	41-47	4 E - 5 5	GE 56	TOTAL	ME A N WIND
ry I	3.1	3.1	1.4	.5	• • • • • • •	•••••	•••••	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	8.2	4.9
NNE	1.7	3.7	2.5	1.1	. 1							9.0	6 • 5
NE	1.6	2 • 3	2.9	• 3								7.1	6.1
FNE	. 4	• 8	. 4									1.6	5 • 2
í.	.5	. 9	. 4	• 3	• 1							2.3	6.6
rst	. 4	. 4	• 1									1.3	4 - 1
SE	. 3	• 2	• 1									1.1	2 . A
SSE	1.7	. 4										2 • 2	2.9
2	1.9	1 . 7	• 6									4.3	4.0
55 <i>a</i>	2 • 3	1.2	٠,									4.9	4.0
S in	1.6	3 • 3	1 • 3	• 1								6.3	5 • 1
⊬S#	2 • ^{r.}	1 • •	1 • 3	• ?								5.8	4.6
м	1.4	3.7	2.2	• 6	. 1							P.5	6.0
F 14 H	. 9	2 • 3	2.6	• 6								6.0	7.0
to d		1 • 1	1.4	. 3								3.9	6.9
h trai	1.5	1.7	• 5	.:								4.1	4.6
VARIABLE	·	•• • · · • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •			••••••	• • • • • • •	••••••• ·	• • • • • • • •	• • • • • • •	• • • • • • • •	
CALM	,,,,,,,,,	,,,,,,,	11/1/1/	11/1/14/1	,,,,,,,	11/1///	,,,,,,,	,,,,,,,	,,,,,,,	///////	,,,,,,,	23.7	/////
TOTALS	23.4	29.7	18.4	4.5	. 3							100.0	4 • 1

TOTAL NUMBER OF OBSERVATIONS: 350

GLOSAL CLIMATCLOGY BRANCH LSAFLTAC AIR WEATHER SERVICE/MAC

PEPCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY ORSERVATIONS

STATION NUMBER: 734396 STATION NAME: MCGUIRE 4FB NJ

PEPIOD OF PECORD: 77-86 #IND SPEED IN KNOTS

#IND SPEED IN KNOTS

#ITHER THE PROPERTY AND A SPEED IN THE PROPE (DEPOSEE) | N *: NE 1.5 • 3 $\mathcal{U}^{\mathfrak{p}}$ ٠ ٩ 2.0 FNE • 6 • 8 5.1 8 . 2 E 1.2 • 5 1.4 • 3 0.8 . 2 • 1 3.8 150 • 0 . 5 . 1 2.3 5.2 SE . 9 . 4 . 3 4.7 1.5 . 26 1.2 . 4 • 3 • 1 2.0 5.5 s 1.1 1.4 1.1 . 1 3.7 5.4 SSW . 4 3.0 1.0 • 2 5.5 6 .4 S 🛰 1.7 . 6 . 3 · 5 d . 9 2.6 2.6 1.1 7.3 ¿.^ 1.5 1.6 3.2 ٠,9 8.0 k Nw . 5 :.. 3.5 1.6 . ? 0.6 8.5 NE 1.3 3.5 2.5 1 . ? .2 . 1 A . 9 8.9 NAW . 5 1.1 2.3 1... - 1 8.5 VARIABLE CILL 5.6 ////// 101145 25 . 1 16.5 17.5 1.0 • ~ 100.0 7.0

TOTAL NUMBER OF OPSERVATIONS: 9.55 SLOPAL CLIMATCLOGY BRANCH CSAFETAC AIR WEATHER SERVICE/MAC

PLRCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY DESFRYATIONS

STATION NUMBER: 73409A STATION NAME: MCGUIRE AFB NU

FE0100 OF RECORD: 77-85 MONTH: OCT HOURS(LST): 1200-1400

IPECTION DEGREES)		4 - £	7-10	1 1- 16		0 SPECO 22-27	29-33	34-40	41-47	48-55	GE 56	TCTAL	ME AN WIND
lu j	1.4	3.0	1.8		• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • · • • • •	• • • • • • •	6.8	5.9
I:NE	1 • 2	1.5	2 • C	۰ ۴	. 4	• 1						6.0	7.9
NE I	1.0	1.7	1 • €	1.2								4.9	7.6
ENE !	• d	• (2.2	• 9								4,4	7.8
L į	. 6	1.3	2.4	. 6								4.9	7.2
156	• !	2.0	• P									2.9	6.1
SE I	• ~	1.1	• 3		• 1							1.7	6.3
SSF I	• i	1.1	. 0	• 1								2.2	6.6
١ ،	• 6	1.9	1.1	. 5								4.2	6.4
15W	• e,	1 • ¢.	1.*	• 5								4 • 1	6.9
54	1.6	2 • *	2 • 6	2.3	• 2							9.4	7.5
454	1 - 2	2.7	3 • C	1.2								7.6	7.2
	1.2	?	4.5	4.4	• 5							12.8	9.4
safen	1.4	1 • 6	2.9	2.4	• 2	• 7						я.9	8.7
ten (. ,	1 • •	4.1		. 3							9.0	9.0
tation 1	1.7	1.*	1 - 4	1. 1	• 2							5.4	7.9
VARIARLE (•••••	•••••	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • • • •	•••••	• • • • • • •		
CAL"	111111111	///////	11111111	11111111	///////	//////	,,,,,,,,	1111111	,,,,,,,	,,,,,,,,	11111111	4.0	,,,,,,
TUTALS	13.4	27.1	33.2	19.6	2.7	. 5						100.0	7.5

LOTAL NUMBER OF UNSERVATIONS: 920

GEODAL CLIMATOLOGY BRANCH LSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

77-86

PERIOD OF RECOPD:

AIR MEATHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

MONTH: OCT HOURS(LST): 1509-1700 WIND SPEED IN KNOTS 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL DIPECTION I 4 -6 7-10 MEAN MIND (ULGREES) | 5.8 1.7 3.1 1.8 NINE 1.0 1.3 1.4 . 2 3.5 6.4 3.4 1.3 . 4 7.1 1,5 . 5 3.5 6.7 FINE 1.1 1.5 . 4 Ĺ. 1.6 2.9 8.0 6.0 555 . 0 2.8 4.6 SE 1 • 1 . 1 2.3 4.1 555 1.7 5.3 . € . 6 . 1 1.0 6.1 S 2.3 . 2 1.2 5.9 5 . 1 554 1 . 7 2.0 1.0 . 4 . 9 2.5 7.2 6.8 S w 2.9 . 9 . 1 7.1 7.1 V54 2.€ 2.3 1.4 11.6 7.3 L 2.3 2 • 0 4.3 2.2 . 1 Kha 2.5 • 5 8.9 9.1 6.7 8.1 7.0 ANW 1 - 3 VARIABLE $C \cap L \cap$ 7.3 ///// 160.0 6 . 2

TOTAL NUMBER OF OBSERVATIONS: 930

GEORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD:

77-86

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

IDEOREES! | 2 WIND 7.0 N 1.0 1.0 1.4 • 5 • 2 4.9 TINE . 4 1.1 . 5 . 1 2.2 5.5 . 4 7.7 NE 1 • 2 ٠, . 6 5.9 ENE 1.6 . 8 . 1 3.9 4.9 3 . 1 1.4 £ rse 1 - 4 2.4 2.8 2.5 2. 1 • 5 58 2,45 1 . 7 4.2 155 3.2 • . 6 4.9 1.0 . 1 12.5 4.1 6.8 3.7 5.5 . 3.3 3.2 • 3 5 . ٠.4 2.0 1.1 . 5 6.9 5.0 1 . 7 2.0 ٠, 5.5 • 2 6.8 5.9 1.4 5 N a 1.6 1.3 1.0 • 3 6.4 NW 1.1 . 1 *sish . 1 . 1 1.6 (46.4 21.7 ///// . 6 . 1

TOTAL NUMBER OF OPSERVATIONS: 030 ULDMAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED USAFETAG.

ATR WEATHER SERVICE/MAC

PEPIOD OF RECORD: 77-86 STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ (DEGREES) 1 MIND • 1 t. 2.2 3 . 7 1.3 1.3 6.1 1.0 . . :• (. 9 . 1 NNE 4.0 5.7 NE 2 • 2 1.0 . 5 . 4 4.9 4 . 9 145 1.6 ٠, ٥ . 1 . 1 2.7 3.8 ŧ F 55 ٠, ٥ 3.1 51 . . 2.6 158 1.7 . 6 2.7 2.6 3.4 2.0 5 1.3 . : 7.6 4.2 1.7 5.1 1.4 5.5% . 1 4.9 4.9 . 9 Sh ∴.€ . 1 6.5 4.5 2.5 1.7 15 d 1.0 - 1 5.4 2.6 ٠.٢ 1.3 . 3 • 3 7.0 5.6 WAW ۰، 1.6 N's • 9 1.7 VIRIABLE 1 CAL" 100.0

TOTAL NUMBER OF ORSERVATIONS: 930

GLICAL CLIMATOLOGY PRANCH USAFETAC AIR MEATHER SERVICE/MAC PLACENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFR NJ

PEPIOL OF PECORD: 77-86 MONTH: OCT HOURS(LST): ALL #ING SPEED IN KNOTS 1-7 4-6 7-16 11-16 17-2) 27-27 20-27 UIPECTION MIND IDERTEEST | N . 7 ٠, 7.8 5.8 • 2 5.3 PNE 1.7 . 4 6.6 5.4 ķr •0 6.2 ENE 3.0 6.4 3.1 6.0 ٤ 1.0 1.1 1.51 4 . 3 3.8 54 . 7 . 6 . 1 4 . 1 1." 2.4 . 2 SE 1.1 6.0 2. : . . 4 1.1 . 1 4.6 ٠, 5.5 4.9 1.1 2.4 1.1 55. 5.7 1.7 . 1 6.9 5.2 5.9 2.1 1.6 **a** () ^ · : 9.3 6.8 in fair 2.0 6.2 7.9 . 1 5. 1 7.7 1.4 14.4 *.1... 1.1 SELM 19.7 ///// 101962 1.7 100.0

TOTAL NUMBER OF OFSERVATIONS:

DES. AL CLIMATOLOGY ARANCH PERCENTAGE FREQUENCY OF OCCURATNOE OF SURFACE WIND UTRECTION VERSUS WIND SFEED CONFLICE AT WEATHER SERVICE/MAC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): DOUD-0200 STATION NUMBER: 724094 STATION NAME: MOLUTRE AFR NU-

ITECTION DEGREEST L	1 -3	4 -6	7-10		17-21	27-27	IN KNOTS 28-33	34-4C	41-47	4 n = 55	GE 56	TCTAL	ME AN WIND
a !	2.1	3.7	1.4	. 4	• • • • • • •	•••••	••••••	•••••	•••••		•••••	7.6	5.
NNL	• •	1.2	1.0	. t								4.7	ь.
٠. ا	• *	1 • 1	1.7	• 3								3.6	6.
E%E	1 • 4	1.	2.0	. 3								4.9	6.
E I	. 4	:•5	. 7	• :	•1							2.4	7.
155	. 4	. :		• :								1.0	6.
i.E.	. 4	. 1										.6	≎•
SF !	. 1	• *	. 1									1.1	٠.
s !	2.7	2.4	1.^	.:								6.6	٠.
55%	2.0	2.3	. 7	• 2								5.4	4.
ا تدر	:•6	1.4	. 7	. 1								4.0	٠.
,5a	1.4	2.3	1.1									4.4	۷.
- !	2.4	3.^	2.7	i. 1	• 7							9.3	6.
21 mart 2	1 - 1	· · ·	3.2	:. 1								9.7	7.
neat (1 • 1	2.7	1.4	• 4								ς, ε	ŧ.
Partie and	1.5	2 • 1	1.7	. 4	- 1							5.9	٨.
VARIABLE	•••••	••••••	•••••	• • • • • • • •	• • • • • • •	•••••	••••••	• • • • • • •		•••••	••••••		•••••
C / L	/ / / / / / / / / / / /	////////	'''''	11111111	,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	'''''		11111
TOTALS	27	7÷ •	14.9	L . t	. 5							100.0	4.

TOTAL NUMBER OF O'SERVATIONS: 933

TOTAL NUMBER OF ORSERVATIONS: 0.7

SLOSAL CLIMATOLOGY BRANCH CSAFLIAC AIR WEATHER SERVICE/MAC

STATION NUMBER: 724394 STATION NAME: MODUTE AFR NU

		• • • • • • • •	• • • • • • • •	• • • • • • • •		in speen	IN MIGTS	• • • • • • •	• • • • • • • •		• • • • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
TOTAL SEST OF		4-0	1-10	11-16	17-21	27-27	2F-33	3 4 - 4 C	41-47	48-55	GE 56	TETAL	ME AN Wind
```	2.4	٠٠٠٠	1.2	. 4	• • • • • •	• • • • • • •	••••••	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	9.0	4,7
7.75	. 4	£ • "	1.1	• •	• 1							4,6	+ .4
r, i	1.3	1	1.7	. '								4,9	5 . 4
1 ME	. 4	1	3.0	• (								4.6	7.0
÷ .	1.:	. 7	4.0	. 4								3.2	6 • 1
1.7		• !	.:									۰۹	3 - 1
at	.,	• 1	. 1									. 7	4.5
(5)	. 6	• :	• 1									. 0	3.5
5	2.7	1.7	.6	• :								4. *	4.4
'ia	1.7	1 • •	• 6	. 4								4.7	5 • 1
5.	1.7	1.2	• 0	• •								4.8	5.4
-5%	1.2		• 5	• 1	• 1							5.0	5.2
	2.3	3.1	2.7									A . 7	6 • 2
si tahi		2.0	1.4	i. 4	• 3	• 1						7.0	7.8
ti e	3 • 1	1.7	3.7	. 7								5.9	6.9
tota w	1.1	1.4	1 - 34	. 1	• ?							5.3	7.1
VAHIARLI	· · · · · · · · · · · · · · · · · · ·	•••••		•••••	• • • • • •		••••••	• • • • • •	•••••		• • • • • • • •	• • • • • • • • •	
CLE.		,,,,,,,	,,,,,,,	11111111	1111111	1111111	,,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,	25.8	111111
101462	25.7	26 • 1	14.4	7.6	. 7	•1						100.0	4.4

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND CIRECTION VERSUS WIND SFEED.

FEWIOD OF FICORD: 77-96 MONTH: NOV HOURS(LST): 3730-0500 SENDEL CLIMATCLOGY BRANCH LSAFETAC ATC WEATHER SERVICE/MAC

# FLOCENTAGE FREGUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY ORSERVATIONS

ICH NUMBER	: 724796	STATION	NAME:	MC GU TA E					PERIOD -	OF RECOR	D: 77. HOUPS(LS)	-86 []: 0650-	08 00
IMECTION   Uluriest	; <b>-</b> 3	4- ₀	7-10	11-16	wl	CBD92 ON 15-55	IN KNOTS	3 u - u C	41-47	40-65	GE 56	TCTAL 3	MEAN WIND
h	2.7	3.5	2.3	. 6	• • • • • • •	-1		• • • • • • •		• • • • • • •	• • • • • • • •	9.2	5.6
* N.E.	1 • 3	2.0	7.5	.:								5.6	·. •6
NE	1.4	1.5	1.7	. 4								S	5.8
Live	. 7	1 • 3	1.1	• 7								۹.۶	7.1
L	. 6	• =	1.8	. 3								3.4	7.2
+ 2E	. 4	• *	• :									. ?	4.3
51	• 3	• *										. 0	4.3
558	. 4	. 4	• 1									1.7	3.9
5	. 7	1 • 4	1.0									3. 7	4.9
*56	1 . 4	1 • 7	. *	. (								4.7	٠,,
S.	:• 5	2.1	.6	. 4								s., n	٠,٠
*S*	2.6	4	1.2	• 7								6.9	٠,5
	2.3	3 • 7	2.1	1.9	• 1							7.7	6.7
is feet	1.4	3.5	2.7	1.1	• 1							A . T	7.0
t. e	1 • 1	1.6	1.0	. 3	• 2							5.4	1.2
*iNa	1.3	1.2	1.0	1.7								4.7	7.7
VINTABLE T	• • • • • • • • •	• • • • • • •	•••••	•••••	• • • • • • •				• • • • • • • •	• • • • • • •	••••••	• • • • • • • •	•••••
(**"		(111111	,,,,,,,	,,,,,,,	//////	1111111	,,,,,,,,	1111111	,,,,,,,,	///////////////////////////////////////	,,,,,,,	22.7	,,,,,,
TOTALS [	25.7	27.1	15.8		. 4	• 1						100.0	4.7

FOTAL NUMBER OF OFSERVATIONS: 946

SENSAL CLIMATOLOGY FRANCE USAFLTAC AIR MEATHER SFRVICE/MAL PERCENTAGE FPECUENCY OF OCCUPATING OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSTRUCTIONS

STATION NUMBER: 704092 STATION NAME: "COUTRY AFR NU

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(EST): 0900-1106

											******		••••
UIFECTION COLUMN		4-6	7-1.	1 1- 16	#16 17-21		IN KNOTS 29-33	5 34-40	41-47	44-55	GE 56	T ( TAL	ME AN Wind
54	1.2		3.7	7.7	.7			• • • • • • • •			•••••	10.9	e.5
561	. 3	. • 7	1.9	. 1								5.2	€ .5
NI.		2.0	2.1	. 5								5.9	7.0
1.64	. 2	2.1	1.7	1. *								5.9	7.2
ŧ.		1.6	2.1	• :	• 2							4.3	7.4
tse	! ! 1• )	. •	• •									2.2	5.2
SF	ļ.,,	• 3	. 4									1	5.4
' 51		. *	• •	• :								2.2	5.5
5		1.1	.6	. `								2.6	5.7
55 m	! ! :•::	1.3	1.8	• .								4.5	6.7
5. <b>.</b>		. 7	2.4	. :	• 1	•1						4.1	H.2
ê s al	.,	1.1	3.1	1.4								6.4	• • 1
•	1 2	2.6	3.0	7. 1	.6							12.1	K .4
a ten	1 1.1	1.	7.0		.2							А.А	4.7
·	1	1 • 2	7.6	2. 7	.6	•1						<b>9.</b> t	9.0
*eten	. 4	1.7	2.5	2.5	. 3	• :						5.2	9.6
	! :••••••							• • • • • • • •					
¥*H1APLF	]												
	!							,,,,,,,	11111111	,,,,,,,,	'''''		111111
107465	12.4	24 + 1	34.3	1	2.7	٠,						100.0	7 + 3
	• • • • • • • • •					• • • • • • • •							

TOTAL NUMBER OF OFSERVATIONS: 900

SEUPLAL CLIMATCEDGY BRANCH L'SAFETAC AIR BEATHER SERVICE/MAC

PERCENTAGE FREGUINCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: TOUDER STATION NAME: MCGUIRE AFR NU

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(LST): 1200-1400

AIND SPEED IN ANOTS
1-16 17-21 22-27 2P-33 34-40 41-47 4P-55 GF 56 TITE DIPECTION 11-16 IRECPEEST ! ١, 1.1 5. 7 1. ' . 1 7.0 . 7 72 fel 1.7 1.6 4.8 6.9 ie! . 4 ٠, ٥ 3.9 8.0 . 7 7.5 Ł ... . 1 5.7 7.5 : 5! 2.6 5.9 . -21 . : 1.3 6 - 1 1. . . . . : 2.7 5.4 . 6 . • 1.0 . 7 1.0 4 - 1 7.2 ... 1.7 . " 1.1 . 1 4.2 €.9 5 6 1. 1.4 2.1 1.0 6 • 2 7.3 ι. . 1. 7 2.1 5 . p 8.8 1.4 13.2 ē.9 ٠, ٠ 3.4 10.2 ٠.٥ : . 4 5.6 13.1 10.5 100 ... . . 4 10.1 VIRTABLE 676" 3.3 ////// 100.3

LITAL MIMEER OF GUSTHYATIONS :

# SECRETARY CLIMATOLOGY READCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED ESAFETAC FROM HOURLY OBSERVATIONS

	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • •	•••••			IN KNOTS		• • • • • • • •	• • • • • • •	••••••	• • • • • • • •	• • • • • •
IPECTION   DEGREES	1-3	4 -6	7-17		17-21	22-27		34-46	41-47	48-55	GE 56	TCTAL %	MENN
N !	1.7	2.4	3.6	1.1	.2		•••••	•••••	• • • • • • • •	• • • • • • • •	•••••	9.0	7.5
Site.	. 3	1.€	. 9	• 2								3.0	6.4
NE I	• :	1.6	1.2	. 4								7.4	7.1
fuf	• .	1.5	1.0	. 4								3.5	7.9
	1 • 1	s	2.5	• •	. 1							6.6	6 • 5
rse i	1 - 1	1.6	1.0									3.7	٠,
<u>ا</u> عد	• 7	• 7	.7									2.0	4 . !
'SE	. 7	1.7	. 4									2.4	4 .
١	1.6	2.4	1.1	• K								5.7	٠.
<5+	1 • 2	1 + 6	1.7	• 4	• 1							4.7	€.
5 m	1.4	1.4	1.2	• 6								4.7	6.
1.54	1.7	1.0	2 • 1	. 7	• 1							5.7	6.
- 1	1 • 7	2 • 9	3 • €	2.2	• 1	• 1						10.6	7 .1
1.Va	1 • *		3 • ℃	3.8	• 6	• 1						11.7	9.0
14.0	. 7	2.0	3.4	7. 7	.4	٠,						9.6	9.1
Man	1.7	4 • Q	2.2	1. 1	• 2	•1						7.6	ч.
VARIABLE !	• • • • • • • • •	• • • • • •	• • • • • • • •				•••••	• • • • • • •	•••••	• • • • • • •	••••••	• • • • • • • • •	•••••
(*L"	,,,,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,,	1111111	,,,,,,,	,,,,,,,	,,,,,,,	11111111	,,,,,,,	11111111	6.3	,,,,,
TOTALS	15.0	23.0	36.8	15.4	1.7	. 7						100.0	7 .

FOTAL NUMBER OF OFSERVATIONS: 900

SAFETAC AIR AFATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OPSERVATIONS

100.0

STATION NOTATE: 7:4396 STATION NAME: MCGUIRE AFB MJ PERIOD OF RECORD: 77-86
MCNTH: NOV HOURS(LST): 1800-2300 "IND SPEED TN ANDTS 17-21 22-27 28-33 34-40 41-47 46-55 GE 56 DIFECTION 7-15 11-16 TOTAL MEAN WIND IDEGREESI 1 2.: N 1.4 3.6 . A 8.3 6.8 SNE ٠, . 8 . ; 3.0 4.9 ΝŁ ٠, 1.4 1.6 . 1 3.9 6.1 4.4 6.3 1.0 5.2 5.9 t. r 58 . 2 6 . 3 . 7 • 3 2.0 4 . C Sf • ? . 1 1 • 1 . 6 SSE . 0 4.2 4.2 2 . 2 1.0 5 3.1 2.6 . 6 . 6 . 1 6.9 4.7 5 . 3 2.0 2 • 7 1.1 . 7 6.4 Sh . 1 . 1 3.3 3.9 3.7 5.0 3. ~ 2.3 8.9 6.2 2 . 2 A . 3 4 A 4 . 7 . . 4 2.€ 2.3 • 2 7.3 1.0 1.7 2.0 1.0 . 3 N. 2.0 7.9 t.t.a 1.2 1.9 1.4 . 3 CALM 16.1 //////

10.0

1.2

TOTAL NUMBER OF OPSERVATIONS:

26 . 4

21.1

TOTALS

GLORAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PEPIOD OF PECORD:

77-86

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

		_	- •						MONTH:	NOV	HOURS (LST	1: 2130-	2300
• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	••••••	• • • • • • • •	• • • • • • • • •	I	ND SPEED	IN KNOT	• • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • • •	•••••	•••••	•••••
OIPECTION (DEURIES)		4-6	7-10	1 1- 16		27-27	28-33	34-4C	41-47	48-55	GE 56	TCTAL	MEAN WIND
lu .	1.5	3.6	3.1	. 1	• • • • • • •	•••••	••••••	•••••		•••••••	••••••	8.6	5.9
t. NE	.7	1.9	1.4	. 1								4.1	6.3
te £	1.1	1.1	• F	. 4	. 1							3.6	6.5
FINE	۰۶	• 7	1.9	. 1								3.6	6 • 1
Ł	.7	1.5	1.2	. 6	• 2							3.7	7.5
ESE	.4	. 3	• 2	• 1								1.1	5.8
2.6	1.1	. 4	• 2	. 1		• 1						2.0	5 • 1
SSE	. 7	• 6	• 2									1.4	3.9
5	2.0	2 . P	• c	• 3								6 • A	4.7
< 5 m	2.5	1.9	1.3	• á								6.9	5.3
S %	1.9		• 6									4.4	4.6
N. S. W.	1.4	i. 9	. 4	. 1								3.9	4.6
•	1.7	¿.4	2.4	1.9	• 2							8.7	7.6
# 10 W	1.7	2 • 1	2.7	. 7	. 1							6 • P	7.9
NV	1	3 • 0	2.1	1.3	• 1							8.1	7.3
Atta	1.7	1.8	1 • 3	. 9	• 3	• 1						5.9	7.5
VARIABLE	<u>:</u>	•••••	· · · · · · · · ·	• • • • • • • • •		• • • • • • • • •	• • • • • • •	• • • • • • •			•••••		
	i !////////////////////////////////////	///////			,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,,		,,,,,,,,,	20.7	111111
TCTALS	1 21.5	27.0	9 و ال	7.6	1.1							100.0	4.9
	İ	.,,	• . • .	,, 0		• 6						200.0	7.7

TOTAL NUMBER OF ORSERVATIONS: 900

GLOPAL CLIMATOLOGY BRANCH LSAFETAC AID BLATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS

STATION NUMBER	7: 724796	STATION	NAME:						MONTH:		HOURS (LSI	): AL	
AIPECTION   CDFGREST		4-6	7-15	11-16	# I 7 - 2 1	10 SPEED 22-27	IN KNOTS 2P+33	34-40	41-47	48-55	GE 56	TCTAL	MEAN WIND
ñ [	1.9	3 • 1	2.8			•3	••••••	• • • • • • •	•••••	• • • • • • • •		A.7	6.5
986	. 8	1.8	1.4	. 4	.0							4.4	6.2
ti E	. 9	1.4	1.5	• 5	• າ							4.3	6.5
t NE	. 9	1 • 3	1.7	• 6								4.3	6.9
į. į	. 9	1 • 9	1.5	. 5	. 1							4.3	6.9
r s e	• 7	• 6	• 5	. 1								1 • 8	5.4
SE I	. 5	• c	• 3	• •		•?						1.3	4 -8
ssc	• •	. 6	. 4	• 0								1.9	4.5
5	1.7	2 • 1	.8	• 3	• 2							5.0	5 • 1
รรพ	1.7	1.5	1.1	. 5	.0							5.1	5.6
Sh l	1.5	1.6	1.1	. 4	•0	٠,						4.6	5 • 8
¥5¥	1.7	1.9	1."	. 6	. 1							5.3	6.3
•	2+1	٠.۶	3.0	2 • 0	• 2	٠,						10.2	7 • 4
yr.k i	1.1	2.2	2.9	2.1	• 2	٠,						8.7	8.3
ži sa	1 • 1	1.0	2.9	1. 7	. 4	- 1						8.1	ε.5
tate w	1+1	1.1	1.8	1. 3	• 3	• .3						6.2	8.1
VIRIAPLE		•••••	•••••	•••••	••••••	•••••	••••••	• • • • • •		• • • • • • •	•••••	••••••	
CALM	<i>                                    </i>	///////	1111111		,,,,,,,,	1111111	///////////////////////////////////////	1111111	11111111	///////	////////	15.8	/////
TOTALS	16.7			11								100.0	5 . 8

TOTAL NUMBER OF OBSERVATIONS: 7200

SLODAL CLIMATOLOGY BRANCH PERCENTAGE FORGUINCY OF OCCUPRENCE OF SUPFACE WIND DIFFCTION VERSUS WIND SFEED LARTHER SERVICE/MAG

: 93PMUN NOIT	72409€	STATION	NAME:						MCNTH:		HOURS (LS1	.86 .86	02 00
DIRECTION   DEGPTES)	1-3	4 ~ú	7-10			ND SPEED 22-21	IN MNOT		41-47	48-55	GE 56	TOTAL	ME AN WIND
• • • • • • • • • • • • •	1.3	••••••	2.2	• • • • • • • • • • • • • • • • • • •	.1	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	6.7	6.5
· !	1 + 3	٠,4	2.2	• >	• •							6.7	6.0
NAE !	• 8	1.,	1.1	• 2								3.3	5 .R
NF.	. &	1.2	.6	. 6								3 • 2	6.5
LIVE	• 6	• ?	•6	• 1								1.6	<b>5</b> .5
Ł.	. 4	• *	. 4	. 4								1.7	6.9
r Çr	• 1	• 4	• c	. 1		• 1						1.5	n •¤
51	• 6	• 1		• 1								. 9	4 • 1
455	. 9	• *	• 2									1 • 7	3.7
5	1 • *	1 • 1	• 5	• ?								3.7	c • 1
rs.	1.4	3.0	1 . ?	• •								6.1	5 • 1
>-	7. 7	1.6	2 • 2	1. 4								8.5	€.0
45a	• 1	1.7	1.4	. 4								3.9	6.3
•	2.1	2.4	?.4	4.1	. 5	. 3						11-4	P . 7
	1.7	. • "	¿. · ·	1.5	1.3	• 3						10.5	9.4
F. 40	1.7	7	2.7	1.4	• •							9.6	a . 5
NAM I	• ")	2 • 3	2.0	. 3	. 3							5.6	7.1
VARIABLE			•••••	• • • • • • •						• • • • • • •	•••••		•••••
Cat	,,,,,,,	///////	//////	,,,,,,,,	(1)/////	,,,,,,,,	,,,,,,,	1111111	,,,,,,,	///////	11111111	27.1	111111
10.1465	17.6	25 4 7	27.5	11.1	2.0	.1						:00.0	5.6

TOTAL GUMPER OF OUSERVATIONS: 950

ULGGAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED LIGHTAGE FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

TION NUMBER:									PEPIOD (	DEC	HOURS (LS	-96 []: 0360-	05 66
I DIPECTION D OBCREES D	1-3	4-6	7-10	1 1- 16	17-21	VD SPEED 22-27	IN KNOTS 28-33	5 34-41	41-47	4 A - 5 5	GE 56	TCTAL	ME A WIN
N	1.7	1.7	1.2	. 5								4.7	6
*NE	1 • 2	2 • 3	1.8	. 4								5 . 7	6
NE J	1.0	1.4	• 9	• 6	• ?							4.3	6
FNE	. 4	۰ د										1 • 2	3
.	. 7	. 4	• 2	. 4								1 • 4	7
12.7	• •	• 5	. 9									1.6	6
SE	• :	. 3										. 5	3
551.	1.7	. 1	• 2									1.3	3
5	1 • 9	• 6	• 3	. 4								3 • 2	4
SSW	1.5	2.0	• 5	• .2								4.4	4
5.	1.5	3.7	• 9	1.3								6.7	5
~SH	2.;	1 • €	1.1	1.1	. 1							5.9	e
, ,	2.0	3.9	3 . 4	1	. 1	• 1						12.3	6
hiten	1 • 7	3.7	3.4	7. 1	.4	.4	• 1					12.7	9
NW	1 • 5	2.4	2.0	1.2	٠ ٩	• ,						8.1	8
	. 4	2.0	i • 1	• •	• 1							4.5	7
VFRIABLE	• • • • • • • • •	•••••	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	••••••	• • • • • • •	• • • • • • • •		•••••	• • • • • • • •	••••
CAL"	,,,,,,,,	,,,,,,,	1111111	,,,,,,,,	1111111	,,,,,,,	///////	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	21.5	1111
101465	19.9	27.1	10.0	1	1.7	• R	. 1					100.0	5

TOTAL NUMBER OF OPSERVATIONS: 930

SLUGAL CLIMATCLOGY BRANCH LSAFLTAC AIR AFATHER SERVICE/MAC

PEPCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

MATION NUMBER:	: 724096			_					PERIOD MONTH:	030	HOURS (LS	-86 	0806
UPECTION   UPECTION   UDEGREES)	1-3	4 -6	7-10	11-16	17-21	22-27	IN KNOT: 2°-33	S 34-40	41-47	48-55	GE 56	TCTAL 2	ME AN WIND
N .	1.2	1.0	1.3	• • • • • • • • • • • • • • • • • • • •			•••••	• • • • • • •	•••••	• • • • • • •		5.1	6.4
NWE	. 5	2.0	• 8	• !								3.7	6 • 2
hr.	1.3	1 • 2	1.2	1.3	• 1							5.4	6.5
ENE	. 6	1.1	. 3									2.3	4.7
	• ?	. 5	.5	. 4								1.8	6.9
rsr	• 3	. 4	. 4	. 4								1.6	7.7
SF	• 5	. 1	• 1									.8	3.6
SSE	1 • 1	• 2										1.3	2 • 3
s	. 6	1.1	1.0	• 2								2.9	5.9
E 5 W	1.0	1 • 7	1.2	• 2								4.1	5.6
SW	2.7	2.5	1.7	• 5	• ?							7 . 2	5.8
45#	1• *	2.7	1.4	• 9	• 2							6.7	6.6
- !	2.5	3.7	2.9	2.0	. 5	• 2						11.2	7.6
unu	1.7	2 • 7	2.2	3.1	• •	.,						10.9	9.1
Na I	1 • 1	1 • 9	2.4	2.2	• 5	• 1						8.2	6.9
nn.	1 - 1	1.0	1.8	. 4	. 3	• 4						6 • 1	b .6
VARIARLE (	• • • • • • • •	•••••	•••••			•••••		••••••	•••••	••••••	•••••	•••••	•••••
CVE. 1	///////////////////////////////////////	///////	11/1/11	,,,,,,,,	//////	,,,,,,,,	11/1////	,,,,,,,	11111111	,,,,,,,	,,,,,,,,	21.3	111111
TOTALS	18.7	25 • 1	19.1	12.5	2 • 8	1 • 1						100.0	5.6

TOTAL NUMBER OF ORSERVATIONS: 930

CLUMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

ATR MEATHER SERVICE/MAC

PEDIOU OF RECORD: 77-86

HONTH: DEC HOURS(LST): 0900-1100

WIND SPEED IN KNOTS

UINECTION | 1-3 4-6 7-10 11-16 17-21 22-27 2P-33 34-40 41-47 4P-55 GE 56 TCTAL MEAN

(DEGREES) | 14 1 1. 7 8.7 2.5 . 1 ARE 1.0 1.1 • 3 3.2 6.5 1.5 5.2 NE 1.7 1.2 7.4 1.3 • 3 2.8 6.9 E I.E 1.0 • 6 7.0 6.6 . 4 • ? . 4 . 3 FSE 5.0 • ? . 1 SE . 1 5.9 SSE . ? . 5 • 3 1.0 . 5 1.6 3.4 5.9 . 9 . 4 4 . 4 7.1 954 . 9 1.2 1.6 . 9 6.9 1 . 2 1.5 1.7 ٠ ٤ . 1 5.2 2.7 4 • 1 1.1 • ì 9.7 7.6 . 15 2.0 3.8 3. 9 . 9 12.3 9.9 1 . 5 1.4 2.6 4.0 1.4 . 1 k lik 1. ? 3.0 4. 3 1.1 . ì 11.1 N. ۰.3 1.16% 1.6 . 3 1.1 2.4 2.5 . 3  $\in L \in \mathbb{R}$ 8.9 ////// TOTALS 1.5

TOTAL NUMBER OF OSSERVATIONS: 937 CLOBAL CLIMATOLOGY BRANCH CSAFLTAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

TION NUMBER	: 7.4096	STATION							MONTH:		HOURS ILS	-86 1): 1250-	
OTFLCTION   OTFLCTION   OFFORTEST	1-7	u -6	10	11+16	#IN 17-21	22-27	IN KNOTS 28+33	\$ 34-40	41-47	43-55	GE 56	TCTAL B	MEAN WIND
	1.2	1.7	2.4	1. 5	.1	•••••	••••••	• • • • • • •	•••••	• • • • • • •	•••••	6.8	6.1
MAR.	• •	• •	1.5	• •								3 <b>.</b> a	7.5
nt i	• 0	2.7	1.0	1.1								4.8	7 . 3
FNE	• 6	٠, د	. +	. 6								2.2	٤.1
i	• "	• 5	1.2	. 9	. 1							7+2	8.2
F 5 F	. 6	• f	• °,	• 7								2.2	5.9
SE	. 3	• t:	. 4									1 • 9	4.5
551	• 3	. 4	. 1									. 8	4.3
5	, 4	1 • 4	1.1	.:								3.0	6 • 1
°5-	• 5	• 6	1.5	• 2								3.7	€.7
5.	. ,	1.7	2 • t	1. *	• 2							٩.٩	3.2
- 5 a	• 5	2.4	3.3	7.€	. 4							9.7	9.7
į	1 + 1	2.3	6.1	4.4	• *	• 5	. 1					16.1	10.0
k/sk	• *-	3.2	3.5	4.+	2.7	1.7	. ?					15.1	12.5
N•	• •	• •	3.4	4.4	• •	• !	• ?					11.7	11.3
· 1 j	• •	4	· • 3	7• 6	• •	.4						9.2	10.P
VARJAGLE !	• • • • • • • •	•••••	•••••	• • • • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • •	••••••	• • • • • • •	•••••	• • • • • • • •	•••••
CAL"	11111111	///////	///////	1111111	,,,,,,,	//////	////////	,,,,,,	11111111	,,,,,,,	,,,,,,,,	3.7	/////
TOTALS	17.7	?"•1	31.5	21.6	6.1	2.4	. 5					100.0	9.2

TOTAL NUMBER OF ORSERVATIONS: 935

DESIGN CELIMATOR OF ANCH PROCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED ESAFETAGE FROM HOURLY OPSERVATIONS.

PERIOD OF RECORD: 77-86
MONTH: DEC HOURSILSTI: 1500-1700 STATION NUMBER: 724396 STATION NAME: MODULEE AFR NU

IMECTION   Deupgest		4 -6	7-10	11-16	17-21	27-27	IN KNOTS	34-46	41-47	48-55	GE 56	T C T A L	ME A N WINU
N I	1.4	2.4	1.7			• • • • • • • •	••••••	•••••	• • • • • • •	• • • • • • •	•••••	6.2	6.1
1.161	. ;	. =	1.3	• 2								3.2	£ .6
1.1	.6	1.4	1.0	• ?	. 1							3.3	6.
ENE	• 6	1.2	. 4	• 0								3.0	6.
£.	1.1	1.€	1.0	. 3	. 4							4.4	7.0
F9F	. ?	• 2	• 3									1.3	4.9
sf l	. 1	. 4	• 1									. 6	٤ . :
SE I	. •	, tı	.7									1.4	3.5
5 [	1.7	1. "	.6		.:							4 • 1	r • ;
55W	1.4	٠, ٩	1 • 4	• 1								5.4	5.
S.	.6	2.5	2.5	• 6	• ?							6.1	7.0
~ S #	1.1	2.4	2.2	1.0								6.5	7.
•	1.7	4.1	4.7	7• €		•:	• 1					13.1	9.4
n tein	. 7	2.4	4.7	14 . U,	1.6	1.1	. 1					15.7	11-1
4.	1+2	2.5	4.?	7. 7	• 6	. 4	• 2					15.5	9.
teN _{se}	1.	1.1	1 • 6	1.9	.6							6.9	۰.۰
VARIABLE	! !			•••••		•••••	•••••	• • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • • • •	•••••
CAL!!	111111111	1111111	11111111	11111111	1111111	,,,,,,,	/////////	1111111	,,,,,,,	///////	,,,,,,,,	5.9	////
TOTALS (	15.2	27.7	27.7	16.5	4.7	1.7	.;					100.3	7.

TOTAL NUMBER OF OBSERVATIONS: 936

SECRETAC CETMATCLOGY BRANCH ALP MEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE HIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS

STATION NUMBER: 774795 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86 wIND SPEED IN KNOTS 17-21 22-37 28-33 34-40 DIPECTION 1 1 - 3 4-6 7-15 11-16 41-47 46-55 GE 56 TOTAL MEAN TUEG PEFST 1 WIND . . . . . . . . . . . . . . . l. 1.3 1.5 5.9 2.2 6.6 NE 1 • 3 1.7 1.5 . 4 4.2 6.3 1.3 . 6 4.9 NE 1.4 3.7 . . . 5 ٠, . 3 1.7 FINE . . 5.2 1.4 1.3 . 4 . . . 5 4.0 7.7 Ł -1 ٠. . • r 51 . 1 . 1 1.3 4.5 SF . . • . • 3 • 1 1.4 4 .6 ' 5 E 1.4 2.3 3.5 5 2.6 2.1 ٠, •: 6.3 4 . 1 2.4 1.5 . 4 1.5% 1 • 4 • 1 6.6 6.1 2.9 5.0 • 2 5.8 5 . 1.2 1.6 . 1 1.7 . 3 . . 454 1.1 . 1 3.4 4.8 • 0 4.5 2.2 1.5 12.6 7.2 2.1 . 1 ... 1.4 3 - 1 3.0 3.4 . 5 . 5 11.1 7.3 Selection 1 1.4 2.7 3 • 7 1.6 ٠. 9.9 9.4 . 1 STRIBELS C & L ** 15.1 ///// 160.0 5.8

TOTAL NUMBER OF OBSERVATIONS:

CLUBAL CLIMATULOGY BRANCH ATO MEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD:

STATION NUMBER: 774796 STATION NAME: MOSUIRE AFR NU

FL-100 OF RECUMU: 77-86 MONTH: DEC HOURS(LST): 2100-2300 | WIND SPEED IN KNOTS DIFECTION | 1-3 4-6 7-10 11-16 17-21 27-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN OFF GREES! | . . . . . . . . . . . . . . . 1. 1. N.E 2.9 6.1 1.7 • 2 N: 2.4 6.6 . 2 • 2 . 9 . 1 1.6 4.7 E to E 1.0 . # . 4 . 3 ٦.4 P . 2 Ł . 1 rsr .: 1.7 4.0 . 6 . 1 . . .: . .5 5.5 ٠, 9 151 . 1 . 4 • 1 1.1 5.8 • 2 4 . . 55. 1.4 5.7 2.5 2.7 6 - 1 ε.3 . 3 1.7 . 8 6.0 1. .54 2.5 2.2 A . P 8.5 1.7 ¿ . . . 3 ٤٠3 9.4 4.64 . . . 2. 4 1.1 • 3 10.8 . • " 2.0 9.5 A .5 1. 4 ٠ ، 3.7 . 4 tete n 7.2 VERTABLE CVER 21.9 ///// TOTALS 130.0

IDIAL NUMBER OF OTSERVATIONS:

UEDMAL CLIMATOLOGY BRANCH PURCENTAGE FRECUINCY OF OCCURAFINE OF SUPERCE WIND LINECTION VERSUS WIND SPEED ESAFETAC FROM HOURLY OBSERVATIONS ALATHER SERVICE/MAC

									HPNTH:		HOURSILS		
UIFECTION 1 OF GFEEST 1	:-3	4 +6	7 = <u>a</u> til	11-16	17-21		IN MNOTS 28-33	34-40	41-47	46-55	<b>ίξ [€]6</b>	TETAL	ME A N
1.	1.3	1.6	2.0	1. "			•••••		• • • • • • • •	• • • • • • •		6.3	6.9
5NE	. 4	1.2	1.2	. 4	• 3							3 . 7	6.4
NE.	٠,٠	1.5	1.0	• t.	• 1							4.7	6.0
ENE !	. 6	.,	• *	. ,								2.^	٩.,
. !	. 7	• •	. 7		• 2	٠,						3.1	7.
T.S.E.	. 5	. 4	. u	• (		• ~						1.5	۴.
SE !	. 4	. *	- 1	.:								• 0	ч.
S S E	. 7	. 4	•	• •								1 • 3	3.
5	1.5	1.0	• E		• ^							4.0	۲,
554	1+7	2.1	1.3	. 4	• •							4.9	5.
S a l	1 • 6	2.2	1.8	. 7	• 2							6.7	ŧ.
	1 • 2	2.:	1.5	• •	. 1	٠,						5.6	7.
. !	1.9	3. 7	3 • °,	2.0	٠, د		• "					12.2	۰.
h fe h	1.7	2.7	3 . 1	7. 4	1.2	• *	. 1					12.3	10.
- NK	1.1	2.1	1.1	2•€	, 7	•.2	- 1					9.9	٠,
tirek	٠,	1.7	1.6	1 • 9	• 4	• •						6.5	۴.
VINIAPLE	• . • • • • • •	•••••	• • • • • • •			• • • • • • •	••••••	• • • • • • •		• • • • • • •	• • • • • • • • •	••••••	
(יני	,,,,,,,,,	///////	,,,,,,,,	,,,,,,,	,,,,,,,	///////	,,,,,,,,	,,,,,,	,,,,,,,	//////	,,,,,,,,	14.0	11111
TOTALS (	:6.1	24 . 7		15.4	3.4	1.,	. 1					100.7	6.

TOTAL NUMBER OF OUSERVATIONS: 144.

L. AL CLIMATCLOGY HRANCH FORETAC PERCENTAGE FRESHANCY OF OUTDRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HODBLY OBSTRUCTIONS.

ATH MEATHER SERVICE/MAC STATION NUMBERS 724795 STATION NAMES MODULAR AFRING PE9100 OF RECORD: 17-87 **Μεντή: Δεί ποποδίεξε: Ψεί** #ING SPECT IN ANOTS 17-21 27-27 28-33 34-40 41-47 46-55 GE 56 TCTAL 7-16 11-16 MF A N. CUECCESS 1 #IND 6.5 •. •_• Ł . -1.4 1 - 1 . 4 . 1 1.7 6.4 1. ٠,٠ i • 1 5.7 6.4 1 1.1 . 1 ٠.4 6.5 : . . . . 4 1.2 . . - 1 . 1 4. * 6.2 . . • -. 6 . 1 .0 . ; ... ٠. 4.9 . 5 . : .0 1.9 4.5 ٠,, . -1.1 . . . 4 . : 2.4 4,4 ... . ' ٠. . 1.0 . . . 1. ? 1 • • . 4 ٠., . . ' 1.4 . 1 6.1 5.8 . . . . ! 1. . 1 5 **.** e 6.2 1. 2.0 i. C • 1 4.2 7.3 . . . . . 1 : • ٠. ٦ ٠.۵ 1. 7 . , 1.1 . . 1 2.4 . 4 • 1 7.7 F _4 1.1 :. • 1.7 • . 4.7 7.7 1. . PARTABLE ! • 0  $\cdot \cdot \cdot_k \cdot$ 15.1 ///// TOTALS 102.0

FOTAL RUMBER OF DISCRIPTIONS - STREET

GLISAL CLIMATCLOGY BRANCH USAFETAC

PERCENTAGE FREGUINCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SHEED FROM HOURLY ORSERVATIONS

ATR MEATHER SERVICE/MAC

STATION NUMBER: 734096 STATION NAME: MCGUIRE AFE NU

STATION NUMBER: 7:0097 STATION NAME: MCGUIRL AFR NJ PERIOD OF RECORD: 77-97 HONTH: ALL HOURS(LSTI: ALL CELLINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE AND/OR CELLINGS 2:00 FEET OR HORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

		• • • • • • •				D SP117	IN KNOTS	• • • • • •			• • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •
DIPECTION   TOPUSEEST	1-3	4 ~t	7-10	1 1- 16	17-21		26-33	34-40	41-47	49-55	GE 56	TCTAL %	ME AN Winu
٨	1.2	2.6	2.1	1.2	.1	٠		• • • • • •		• • • • • • • •	• • • • • • •	7.3	7.1
\n _t	1.5	2.2	2.2	1.2	• *	•?						6.3	7.7
λ1	1.1	2.5	3.5	· 1. t	. 1	.1						9.3	7.7
146	1.4	2.0	3.4	1. 9	• 2	•1	• ^					10.5	7.9
٤	2 • 3	3	3.5	1.6	• ?	. 1						11.4	7.0
2.56	1.4	1 . ?	1.0	. 4	. 1	٠,						4.2	5 . A
S Ł	1 - 1	1.1	. 7	• 7	• 0	• •						3.1	5.4
s Sit	:•1	1.7	٠,	• 2	.0							?. 7	5.5
s	7.0	2.5	1.7	. 7	• 2	٠,	• 0					6.6	6.4
'5*	1.5	1.4	1.0	• 5	٠٦							4.9	5.5
5 <b>a</b>	1.7	1.5	. 4	• *	• ີ							4.0	5.6
~ \	1.	1.7	• F	. 4	. 1	• •						3.6	6.1
<b>.</b>	:•1	1 • ?	• •	• 1	•2	• ?						1.9	6.6
~ · · ·		• *	.6	. 4	• 1	• •		• "				2.5	7.5
r,		• ′	. ?	. 4	• 1	• •						2.6	7.5
ti ti k	. 7	1.7	٠,	. 4	• 1	• `						3.0	€.9
VARIABLE	· • • • • • • • • • • • • • • • • • • •	• • • • • • •	••••••	• • • • • • •		• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •			• • • • • • • •		
(*)"	 	////////	11/1/1/1/	11111111	,,,,,,,	///////	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	17.9	111111
101762	10-1	26.0	25.4	11.7	1.9	. 4	• *					133.0	€.0

TOTAL NUMBER OF OPSERVATIONS: 11737

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#### CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

#### CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIRVARIATE FPEQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "O" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY TALL YEARS COMBINED).

#### NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT MIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE SDDC FEET WERE SUPPESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

#### SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	•	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	•	10/10

ULUNAL CLIMATCLOGY BRANCH UNAFETAC AIR SEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VEHSUS VISIBILITY FROM FOURLY OBSERVATIONS

			STATI		-						PEPIOD	: JA1.	+OUR5	ILSTI: 3		
11.1%6	•••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	••••
IN I	G E	GF	GF	G.S.	58	GĒ	GE	SE	UΕ	GE	9£	Ŀ٤	GE	GΕ	G£	GE
	1.7	t	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/4	1/2	116	1/4	1
•••••	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	•• ••• • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • •
CETE	8.4	47.5	48.6	46.0	49.5	49.5	49.5	49.1	49.1	49.1	40.1	49.1	49.1	49.1	49.1	49.
i aanodi	0.6	r 3 • 1	54.3	54.5	54.7						5 h					`
1e1[5]	8.6	3.3	54.5	54.7	54.7	54.7 54.9	54.7 54.9	54.8 55.1	54.8	54.6	54.9	54.8	54.8	54.6	54.8	54.
16 071	3.6	57.3	54.5	54.7	54.9	54.9	54.9	55.1	55.1 55.1	5.1	5 - 1	55.1	55.1	55.1	55.1	55. 55.
147571	8.6	53.8	54.5	55.2	55.4	54.4	55.4	55.5	55.5	55.1 55.5	55.1 55.5	55.1	55.1 55.5	55.1 55.5	55.1 55.5	55.
121301	8.6	F 4 . C	55.2	45.4	55.7	55.7	55.7	55.8	55.P	55.6	5 C . F	55.8	55.4	55.6	55.8	55.
1. 3.1	0.00	7.0	33.0	.,, • •	3341	734 7	33 • 1	23.0	3347		3.4.	22.0	33.M	~ 5 • 6	37.6	7 3
1 00001	5.8	56.1	57.4	57.7	59.3	Se. 3	50.3	50.4	54.4	59.4	50.4	58.4	53.4	55.4	53.4	5.8
97361	A . F	56.6	57.A	59.2	52.7	56.7	58 . 7	58 • ₺	58 · 8	58.8	5 P . 8	58.8	59.8	5 d a b	54.8	5.0
e⊤ucl	٦.٩	5.9.0	67.5	61.J	61.7	61.7	61.7	61.8	61.8	61.6	61.A	61.8	51.ª	61.8	61.8	61
70001 61001	9.0	65.6	62.2	65.6	03.3	€ 3 • 3	67.3	63.4	63.4	63.4	6 7 . 4	63.4	63.4	63.4	63.4	6.3
61001	٥.5	£1.7	63.3	63.8	64.5	£4.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	6.4
stant	9.0	03.7	65.3	65.5	66.7	£ 6 • 6	66.9	66.9	06.9	66.3	64.9	66.9	66.7	66.9	66.9	6.6
457	9.5	68.4	70.2	71.3	12.5	12.6	72.6	72.7	12.7	72.7	12.7	72.7	72.7	72.7	12.7	72
40.001	5.6	70.2	72.3	73.8	75 • 3	75.5	75.5	75.6	15.6	75.€	7 - 6	15.6	75.6	75.6	75.6	75
35 (11)	9.7	72.6	74.6	76 . €	79.1	7 E • 3	78.3	78.4	75.4	7 R 4	74.4	74.4	79.4	79.4	78.4	78
37671	3.6	73.2	75.4	77 • 5	7 A . B	79.1	79.2	79.4	79.4	79.4	70.4	79.4	19.4	79.4	77.4	79
25 31	9.6	75.1	17.2	79.1	63.6	51.J	61.1	81.2	51.2	91.2	61.2	81.3	81.4	81.4	61.4	я 1
21501	3.0	76.0	79	81.5	82.6	F2.9	83.1	93.2	63.2	A3.2	83.2	83.3	63.4	93.4	63.4	8.3
15001	9.9	³6.8	79.1	£1.1	82.7	83 € C	83.2	53.3	03.3	P3.3	57. T	83.4	83.5	03.5	63.5	F 3
11.001		7 A . 4	83.9	92.0	84.4	c4. 7	85.1	85.2	85.2	85.3	85.5	R5.6	45.9	P5.9	65.9	£ 5
.0101	17.7	75.6	01.4	43.9	85·5	95∙ d	66.2	26.3	86.3	°6.6	84.18	96.9	87.2	P7.2	67.2	6.7
1 301	13.3	74.8	81.7	94	F5.9	F6.2	86.7	86.9	06.9	97.1	87.4	87.5	87.8	67.8	87.8	87
4571		79.1	5.7.	84.5	16.6	86.9	87.3	47. E	37.6	P7.8	69.2	яв.3	88.6	98 • 6	3.86	6.6
1.00 1	10.3	79.7	52.7	A5.3	h7.6	Γε. 1	£ R . ₹	91.2	00.5	99.7	9 ~ . 0	90.1	93.5	93.6	90.6	90
7. "1		79.6	63.6	F5.5	60.0	- 6 • 4	89.2	59.6	89 a B	90.0	97.7	90.4	97.9	91.3	91.2	91
۱ " ر ۴	10.3	77.8	93.	F5.5	63.2	₽8•7	89.7	97 • Z	y D . 4	70•€	91.1	91.2	91.6	91.7	91.9	91
50°1		77.5	93.1	25.7	88.6	69.2	90.3	91.2	+1.7	92.3	97.9	93.0	93.4	93.5	93.9	93
40"		79.8	63.1	85.7	£3.7	54.5	91.1	92.2	42.7	93.4	94.7	94.3	74.7	24.8	95.2	95
71		75.6	87.1	P5 . 7	8 <b>9 .</b> 4	95.3	97.0	94.2	74.0	95.7	94	96.6	97.1	97.2	97.6	97
1.271 1.201		73.E	6 7 . 1	85 . 7	89.5	90.4	93.2	74.€	95.5	96.2	97.7	97.1	99.7	98.1	98.5	99
1971	17.3	79.€	63.1	P5.7	49.0	95.4	93.2	94.6	¥ 6 • E	06.3	97.2	97.3	99.2	98.4	98.9	106
.1	10.3	79.6	8	P5 • 7	80.5	9.j <b>. 4</b>	93.2	94.6	95.5	7.30	97.2	97.3	98.2	95.4		100

TOTAL NUMBER OF OVSERVATIONS: 931

CLUFAL CLIMATCLOGY BRANCH CS4FET4C 410 NEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCUPPENCE OF CFELING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

			* I C L / I /	•													
STAT	TICN NU	MBEF:	72409€	STATI	OR NEME	: +', b	IN! AFE	٩J				bf alon	OF PLC	ORD: 78	-87		
												MONTH	: JAN	HOURS	(LST1: I	0300-05	CD
							• • • • • •						• • • • • •	• • • • • •			
CFIL			_							IN STATE		•					
15		CE	GE	C.E.	ÚĒ.		C.S.	6(	Ľ.	űŁ	üΕ	GE.	GE	GΕ	GE	GE	GE
LEE	•	; c	L	5	4		2 1/2		1 1/2		1	7/4	5/E	1/2	5/16	1/4	٥
	• • • • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •		• • • • • • •	• • • • • • •	•••••		• • • • • • • •
6.3.0	EIL I	7.6	46.1	47.5	97.7	42.1	48.1	48.2	44.5	44.5	48.7	40.9	48.8	48.3	46.9	48.8	48.8
	151.601	٠.:	5.24.2	51.7	5: .5	52.3	52.3	52.4	52.7	52.7	52.9	57.0	53.0	53.7	53.3	53.0	53.U
	181201	٥.5	E 3.6	52.2	52.4	52.7	52.7	5.7 • 5	53.1	53.1	53.3	57.4	53.4	53.4	c 3 . 4	53.4	53.4
3 to 1	60001	4.2	50.9	52.4	52.€	52.9	52.9	5 ? • 7.	53.3	57.3	53.5	57.7	53.7	53.7	r 3 . 7	53.7	53.7
. [ ]	L46 Co	٠.7	51.2	52.7	52.9	53.2	5 3 a 2	53.3	5 3 • 7	53.7	53.9	54.7	54.5	54 . C	54.0	54.0	54.0
ر این	tane H	e • ?	-1.7	53.2	F 3 • 4	53.4	5.3 8	53.7	54.2	54.?	54.4	54.5	54.5	54.5	54.5	54.5	54.5
,	Teshai	9. ?	5.3.b	55.3	45.5	55.3	55.a	55.9	E 6 • 2	56.2	56.5	56.6	56.6	56.5	E 6 . 6		
	51 JUL															56.6	56.6
	81.001	α. 7	54.1	55.0	5.5	56.1	50.1	56 • 2	56.6	56.5	£6•€	54.9	56.9	56.9	56.9	56.9	56.9
		9 • ?	56+9	58.5	56.7	59.3	59.3	57.1	57.5	59.5	59.7	50.0	59.8	59 • 9	59.8	5 9 . R	54.8
5.5	7 L	9.7	7 . L	59.4	59.6	59.9	59.9	60.7	60.3	50.3	60.5	61.6	63.6	63.6	4J.6	62.6	60.6
5.4	£ 571	P • 7	· n • 6	67.3	6J.5	£3.7	66. 8	61.1	61.4	61.4	51.6	61.7	61.7	61.7	€1.7	61.7	€1.7
2.4	50011	4 . 4	63.5	52.4	62.5	63.2	63.2	67.4	63.8	63.8	54.2	64.3	64.3	64.3	64.3	64.3	64.3
, r	45 cm i	4.7	65.3	57.2	60.2	68.5	68.8	69.5	67.4	59.4	69.5	60.9	69.9	69.9	69.9	67.9	69.9
., .	4" L: 1	2 C	67.1	69.6	70.9	71.6	71.6	71.9	72.3	72.3	72.7	77.9	72.8	72.9	72.9	72.9	72.9
11.5	25 (1.1)	3.7	7.3.5	73.0	74.6	75.7	75.8	76.2	14.6	16.6	77.0	77.1	77.1	77.2	77.2	17.2	77.2
r	3 301	9.7	72.2	75.3	77.0	78.5	78.6	79.1	19.5	79.5	79.9	80.0	80.0	83.1	93.1	30.1	8C.1
		•		. ,		. ,									•••		
, r	ar c : 1	9.2	73.7	76.8	75.7	87.3	84.5	81.2	51.5	01.5	91.9	87.0	82.0	82.2	P2.2	52.2	P 2 • 2
U.	2007	9.2	74.6	77.7	79.8	81.5	91.9	82.7	93.5	63. 2	03.4	87.5	F 3 . 5	43.7	83.7	83.7	83.7
۲, ۲	:: . ^1	î	74.7	77.5	ن و ل	b1.7	92.2	82.9	93.3	63.3	93.E	6.23	83.9	84.7	۵4.3	84.0	P4.0
., 1	15	7.4	16.0	79.7	81.4	83.2	F 3. 8	84.2	P 5 . 4	85.4	95.€	86.3	95.9	56.7	96.0	66.0	F6.0
:	17011	7.6	77.2	37.6	P3.	85.2	~5.B	87.1	° 7 • ₺	07.6	88.1	5.29	88.2	89.3	98.3	88.3	A6.3
., -	17671	9.5	71.5		P3.3				۲5.1		P8.7	80.9				87.1	
٠,٠		3.5		81.5		85.0	86.2	87.5		o 8 • 2			A8.9	89.1	A9.1		P9.1
			77.6	81.1	F3.4	pt. 9	86.7	88.0	88.5	58.6 58.6	89.1	89.4	89.4	69.6	9.6	89.6	89.6
		3.5	79.1	91.5	74.5	57.1	88.1	89.5	70.4	90.5	91.1	91.3	91.3	91.7	91.8	91.8	91.8
F	7	9.5	75.2	92.1	04.7	87.6	86.6	92.2	71.0	91 • 1	01.6	91.9	91.8	92.3	92.4	97.5	92.5
	6234	9.5	73.2	32.0	34.7	67.6	-5.6	90.0	P1.3	91.1	91.7	9.7 • 3	92.3	92.7	92.8	92.9	92.9
r F	4.354	9.5	73.3	82.2	84 <b>.</b> 6	88.4	89.7	91.3	72.4	92.5	93.1	97.7	93.9	94.5	74.8	94.9	94.9
; F	4 1	9.5	74.3	82.3	44.9	69.5	95.8	92.0	93.1	93.2	94.1	94.9	94.9	95.6	96.5	96.2	46.2
1, t	125	ວຸເ	76.3	02.2	P5.:	88.8	96.2	92.8	94.1	94.3	25.4	96.2	96.2	97.2	97.6	97.A	97.8
u f	: 1	3.0	73.3	62.2	a5 . 1	67.	4: 5	93.2	74.7	95.3	96.6	97.4	97.4	98.4	98.8	99.1	99.1
1, €	:651	9.5	7 5 . 3	o 2 • 2	85.1	80.	9.3.5	93.2	74.7	95.3	96.6	97.5	97.5	99.6	9.0	99.4	99.9
. •	. 1	9.0	75.3	8 2 • 2	d5 • 1	89.3	116.5	93.2	94.7	95.3	06.6	97.5	97.5	98.6	າ9. ປ	99.5	100.0

THITTE HUMBER OF OFSERVATIONS: 936

ELDHAL CLIMATOLOGY BRANCH USAFLIAC AIR WEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOLELY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PEPIOD OF PECOPD: 78-87 MONTH: JAN HOURS(LST): 3600-3800 VISIPILITY IN STATUTE MILES

SE GE GE GE GE GE GE

4 3 2 1/2 2 1 1/2 1 1/4 1 7/4 CEILING - 1N | GE GE GE GE GE FEET | 10 6 5 4 5/6 1/2 5/16 1/4 0 43.7 AD CEIL 1 5.5 47.4 42.0 43.0 47.2 43.3 41.3 43.4 47.4 47.7 43.7 43.7 43.7 05 200401 65 187331 65 167431 66 147001 48.5 49.0 49.0 45.2 46.7 47.7 48.2 48.3 48.3 44.5 48.5 49.7 48.7 43.7 48.7 49.2 49.2 5.€ 48.7 48.7 5.7 45.6 47.2 48.7 49.0 49.0 49.0 49.2 49.2 49.2 49.2 48.9 49.2 48.3 48.8 49.9 49.0 49.2 48.3 46.6 45.6 47.2 48.3 48.7 48.8 49.0 49.0 49.0 49.2 49.2 งยาเลยอังไ 49.7 49.4 40.5 49.7 40.0 49.9 49.9 49.9 46.0 65 130001 60 90001 50.0 50.9 54.0 6.2 51.7 52.8 53.3 53.4 53.5 53.€ 53.8 53.8 54.3 54.0 64.0 54.C 54.0 54.6 52.6 56.3 53.7 57.5 54.2 59.2 54.6 54.8 54.8 54.8 54.8 54.3 54.4 54.5 54.8 60.001 70031 58.3 59.0 59.5 59.0 54.5 58.6 58.8 58.8 58.8 50.0 59.0 59.0 59.D 59.5 54.8 54.5 59.0 59.2 59.2 59.5 59.5 6.7 56.7 57.E Sã. 7 59.3 59.5 60.8 56.2 61.0 60.2 r. 3 . 6 65.4 63.4 63.8 64.2 62 • 2 63.J 0.E 45501 91001 7.4 7.7 64.7 69.1 67.5 68.4 72.2 68.3 72.6 69.1 69.1 72.9 69.1 72.9 69.1 72.9 69.1 69.1 €2.4 65.0 68.8 65.2 71.7 72.6 70.3 72.6 35301 71.2 74.6 75.3 71.5 75.1 77.3 78.7 74.4 80.0 97.5 80.5 80.5 81.1 81.1 81.1 91.1 81.1 81.1 25.001 27.001 a. 1 83.4 93.4 83.4 73.4 77.1 77.5 82.9 82.9 92.9 83.4 83.4 63.4 5 F 81.0 d1.7 82.4 -4.5 85.1 85.6 8.3 74.9 78.7 82.6 84.0 94.5 8 - 1 85.1 P5.1 85.1 F1.1 63.3 85.1 84.5 1902| 1900| 1900| 79.3 F . 3 75.3 \$1.5 64.2 93.9 84.5 25.1 85.1 95.1 85.6 87.0 85.6 85.6 85.6 85.6 82.0 P5.1 85.7 R6.5 87.0 87.D 67.0 67.G 9.3 76.2 92.5 55.2 66.3 64.8 11 00 | 900 | 800 | 700 | 600 | 69.7 77.6 21.5 84.2 E5.8 86.7 37.4 88.0 oê.1 A8.2 89.7 89.7 88.7 98.7 88.7 8.3 77.8 81.8 82.2 86.7 67.3 96.8 90.0 88.9 93.2 99.1 99.5 89.7 91.3 96.0 91.7 84.8 87.5 89.3 89.7 99.9 99.8 90.0 2.3 55.3 89.2 91.3 91.5 91.7 78.3 48.3 91.5 92.6 21.2 9.E 52.5 82.8 88.3 a 9. 4 90.4 91.5 91.8 92.6 92.8 92.8 93.0 86.1 68.9 96.1 91.2 91.9 9. . 6 23.0 94.0 94.2 95.6 82.8 89.0 90.2 91.7 \$2.8 93.4 94.3 95.2 94.1 95.1 95.1 95.4 95.4 30.1 ا. ن د 4071 3031 2371 95.9 97.3 98.0 78.5 92.9 89.2 96.5 92.2 92.2 73.5 95.9 97.3 8.3 94.6 96.2 98.0 96.2 96.5 96.5 ÷.3 96.2 96.4 06.3 98.2 98.4 ٠, ٢ 89.5 74.5 97.8 98.9 99.2 99.2 P6 • 3 96.6 89.5 a F 1301 3. 3 72.5 A 2 . 8 84.3 90.8 92.4 24.5 95.6 96.5 97.8 99.1 98.9 99.2 99.6 100.0 01 °.3 7, 0 78.5 32.E 86.3 89.5 90.48 97.4 94.5 +5.6 96.5 97.A 99.1 98.9 99.2 99.6 100.0

TOTAL NUMBER OF ORSERVATIONS: 450

0

CLUBAL CLIMATCLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CRILING VERSUS VISIBILITY FROM FOURLY OBSCRYMTIONS

STATION NUMBER: 724095 STATION NAME: MOGUIRE AFB NU PEPIOU OF PECURD: 78-87 MONTH: JAN FOURS(EST): 0960-1100 CFILING VISIBILITY IN STATUTE MILES TN | CE FEET | 10 05 GE GE GF GE GF GE 4 3 2 1/2 2 1 1/2 1 1/4 GE GE 6 5 GF GE GE GE G G 3E r, r 5 1/4 5/8 4/16 1/4 1/2 NO CETE 1 6.2 41.3 42.6 42.5 43.3 43.4 43.4 43.7 43.7 43.7 43.7 43.7 43.7 43.7 05 165001 05 165001 50.1 47.2 50.3 7.0 44.4 42.2 56.1 5J.3 5J.9 50.3 °0.3 50.3 50.3 50.3 50.3 57.9 7.0 47.7 49.4 49.5 50.5 55.6 53.6 50.9 50.9 50.9 50.9 50.9 50.9 50.9 50.9 50.9 50.9 50.9 50.9 -7.0 47.7 49.4 49.5 53.5 50.6 50.6 53.9 50.9 65 14 1001 65 120001 53.3 51.0 48.2 49.9 51.1 51.2 51.2 51.4 51.4 c1.4 51.4 51.4 51.4 51.4 51.8 52.0 52.C 52.0 52.0 52.5 52.3 52.0 52.0 52.0 53.7 54.9 55.1 55.3 CE 100001 51.5 54.2 55.1 55. ? 55.3 55.3 55.3 55.3 55.3 55.3 55.3 00 4001 00 4001 00 71001 00 6001 7.0 52.6 57.7 54.7 55.3 61.1 56.0 61.9 50.1 62.0 56 .1 62 .7 56.3 62.4 56.3 62.4 56.3 62.4 54.3 56.3 62.4 56.3 62.4 56.3 56.3 7.8 60.5 67.4 62.4 63.8 63.6 63.6 63.8 £ 3.4 63.8 63.9 63.5 63.8 9.0 62.0 62.8 63.7 63.5 64.1 04.1 64.1 64.1 64.1 64.1 64-1 65 57401 45 45401 65 45401 64 3571 67.0 71.0 73.9 62.3 65.3 67.4 70.1 67.2 71.3 73.9 77.3 9.2 67.2 64 ... 65.7 66.7 66.9 67.2 67.2 67.2 66.7 67.2 67.2 67.2 69.2 73.8 70.5 73.4 73.9 73.8 5.6 69.2 70.3 70.5 70.9 71.6 71.0 71.0 71.0 73.4 72.J 74.9 73.9 υE 73.2 73.4 7t.9 76.9 77.3 77.3 77.3 73.5 76.5 77.2 77.2 77.3 77.3 31 30 1 9.4 72.0 75.7 77.1 79.1 80.0 1.00 33.1 9U.1 25601 27271 19631 77.3 77.1 78.5 50.6 81.2 F1.9 4.0 P3.1 74.2 78.3 61.7 82.2 82.5 62.9 92.9 83.3 83.6 83.3 83.8 83.3 83.3 83.8 79.5 92.3 82.9 67.7 P3.3 9.6 74.6 76.4 79.9 22.7 93.3 03.3 A3.5 6 5 . A A 3 . b 1 001 76.5 ti.7 64.3 94.6 95.8 F5. 7 97.1 82.5 65. i 86.2 96.7 06.7 96.9 97.1 37.1 07.1 67.1 F7.1 77.3 68. E 101.1 ¢3.5 65.5 F 7. 3 30.1 99.0 80.5 99.5 89.5 69.7 A9.7 81.4 86.6 99.6 9(1) 201 707 93.4 ), F 9.7 77.4 84.3 F7.3 20.3 90.3 90.5 89.6 90.0 91.3 97.4 97.0 90.5 90.6 92.6 90.6 92.6 81.6 5002 69.6 97.4 84.5 58.9 81.0 90.8 90.8 92.4 81.9 85.2 68.3 91.3 93.3 91.5 72.6 92.9 23.1 93.2 93.3 8 2 . 0 85.4 89. 90.5 77.7 H 7 . 1 25.5 69.3 93.6 94.0 94.6 91.7 95.7 96.1 96.2 96.3 96.3 4001 7071 7071 7071 7071 7.7 C.F c. 7 82.j 82. 85.6 89.2 89.4 93.2 93.4 94.8 95.1 75.7 76.1 97.3 97.8 98.7 71. C 97.1 98.6 98.1 98.1 3.7 77.7 55.7 91.1 97.8 99.0 99.1 99.1 7.7 82.0 82.0 99.C 95.3 98.8 . 7. 7 55. . 7 A9.4 91.1 93.4 95.1 96.1 47.0 99.1 99.5 99.5 99.1 69.4 93.4 95.3 97.8 99.9 F5 . 7 95.1 96.1 99.6 91.1 98.8 :1 9.7 91.1 93.4 98.0 98.8 99.7 100.0 95.1 95.3 96 . 1

TOTAL NUMBER OF OFSERVATIONS: 950

GLOPAL CLIMATOLOGY BRANCH USAFLIAC AIR WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PEPIOD OF RECORD: 78-87 MONTH: JAN HOURS(LST): 1200-1400 VISIPILITY IN STATUTE MILES
GE GE GE GE
2 1 1/2 1 1/4 1 ************************* CLIFTE GE GE GE GF 7/4 5/8 1/2 7/16 1/4 0 NO CETE 1 7.6 38.9 40.1 4...5 46.5 40.8 40.8 40.8 40.6 40.6 40.8 40.8 40.8 44.5 45.7 46.6 46.7 46.8 46.8 46.8 46.F 46.8 4.0 46.3 18 1st 251 44.6 46.3 46.8 46.8 46.0 46.9 47.5 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 55 16 631 66 141061 47.1 44.0 46.0 47.1 46.9 47.0 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 8.0 46 · 5 47 • 2 47.5 48.2 47.1 48.3 44.8 47.2 47.2 47.2 47.2 47.2 41.2 GE 115001 41.2 48.4 44.4 48.4 of 1.mon1 F . A 51.7 52.9 53.0 5.3.1 53.1 53.1 53.1 53.1 57.1 9..Lal 6..Lal 7..Lal 5 3 . 1 53.1 53.1 4.6 r 1. 3 52.7 58.3 53.9 54.0 59.9 54.1 54.1 54.1 63.1 54.1 60.1 54 . 1 54.1 9.1 54.1 60.1 54.1 60.1 54.1 66.1 ωí 57.6 54.1 59.5 60. <u>1</u> 60.1 60.1 6J.1 60.1 59.6 59.7 (1.4 61.4 61.4 61.4 61.4 61.4 61... 61.3 61.5 01.5 61.5 18 17001 0.6 66 47031 15.0 67 47001 10.4 68 35001 11.0 61.5 63.5 62.5 63.5 64.2 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 63.9 55.9 64.4 57.2 71.4 67.7 £ & . G 69.0 69.0 68.7 68 . C 72 . 5 69.7 77.5 68.2 72.5 68.3 72.5 6 P . 0 72 . 5 68.0 66.ü 72.5 72.3 74.3 72.5 75.1 72.4 74.7 74.7 74.7 74.7 74.7 4. 5 77.4 79.4 6 J. C 50.0 °C.1 80.2 90.2 60.2 8 C . 2 25251 11.8 79.8 84.4 78.4 87.7 n1.3 81.5 91.6 81.6 91.8 81.9 61.9 91.9 15 10 | 11.8 15 10 | 11.8 15 17 | 11.8 17 17 | 11.8 51.9 75.9 79.9 79.1 61.9 22.3 61.8 82.3 83.0 82.7 02.7 93.C 83.1 83.2 83.2 83.7 P3.2 B3.7 83.2 83.7 81.5 76.2 22. T 23.1 83.1 93.4 83.7 63.7 54.1 84.4 95.1 85.3 80.3 85.6 25.7 85.7 36.6 26.6 86.6 1 - 11 11.6 77.7 91.3 Pt. 6 47.4 87.1 87.3 08.3 48.5 9.88 i, r 98.8 9.8 %5 1 11.8 %5 1 11.9 77.7 77.7 77.7 89.9 88.9 24.1 86.7 87.3 91. £7.1 47.6 67.7 84.6 80.9 50.4 89.1 89.1 9.1 89.2 69.2 96.9 81.1 20.1 88.7 88.5 09.9 90.8 93.9 91.2 04.5 87.5 18.3 88.9 87.4 97.4 91.2 91.8 91.6 89.9 5 371 11.9 77.7 81.2 34.4 89.7 44.8 91.3 97.8 4001 11.8 7301 11.5 7071 11.8 1.71 11.9 94.3 95.3 95.5 95.5 95.9 96.C 96.6 77.7 81.2 94.7 64.9 89.7 69.0 69.0 ن . ب ⊊ 95.4 93.9 94.6 95.4 95.5 97.8 96.7 77.7 96.8 97.1 97.2 98.6 97.3 96.7 50.i 91.9 98.1 98.4 98.2 99.5 98.5 51.2 34.9 91.9 34.2 94.6 98.9 99.0 99.2 81.2 7C. 1 14.7 89. 3 96.9 98.4 99.5 99.8 uf 11.6 77.7 69 44.1 44.6 96.4 98.2 98.4 98.5 99.0 99.2 100.0 

TOTAL NUMBER OF ORSERVATIONS: 44.

CLOCAL CLIMATOLOGY FRANCH USAFLTAC AIR HLATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF GCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY COSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGLIRF AFB NJ

	-		•	_			IRF AFB					HONTH	HAL :		LSTI:		
	IL ING	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •
FE	15   (E)	10	GE E	G E S	U.E.		65 2 1/2	Q.F	Gr 1 1/2	GE 1 1/4	GE 1	C.E. 7/4	G ( 5 / σ	GE 1/2	ű <u>€</u> 9 <b>/1</b> 6	GŁ 1/4	GF O
• • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •		•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •
N 0	CIIL I	7.2	41.1	42.2	42.9	47.9	44.9	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
	250001	7.7	45.0	47.3	44.1	43.1	42.1	49.1	45.1	48.1	48.1	4 2 . 1	49.1	49.1	44.1	49.1	48.1
	180501	7 . 2	46.5	47.7	44.5	49.5	40.5	48.5	43.5	48.5	48.5	48.5	49.5	49.5	48.6	49.6	48.6
	167071	7.2	46.5	4 # . 1	45 € €	48.5	46.8	48.3	48.8	49.8	48.€	48.8	43.8	48.9	46.9	48.9	48.9
	14000	7.2	47.0	49.3	49.2	40.3	49.0	49.3	47.C	40.3	49 • D	49.7	49.3	49.0	49.1	47.1	49.1
55	121, 11	7.2	43.4	49.7	53.4	57.4	r () • 4	52.4	53.4	50.4	50.4	50.4	50.4	53.4	° 9•5	50.5	50.5
ع د	100001	7. *	51.1	52.8	53.9	53.7	53.9	53.9	53.9	53.9	53.9	53.0	53.9	53.9	54.0	54.0	54.0
., =	97101	7.3	51.9	53.7	54.7	54.7	54.7	54.7	64.7	54.7	54.7	54.7	54.7	54.7	54.8	54.9	54.6
υF		7.8	50.1	57.8	59.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.3	69.1	59.1	59.1
6.5	7, 231	R . 2	5.9	59.8	63.0	67.7	6 C • D	63.3	50.0	63.3	60.0	67.3	67.0	63.3	60.1	67.1	64.1
ŗ	6,751	8.0	57.5	50.5	62.€	67.6	6 U • 8	67.49	62.8	63.9	8 • C »	67.4	60.5	67.9	60.9	60.9	60.9
ų r	52011	9.4	59.5	51.7	63.3	63.2	63.3	61.3	63.3	03.3	63.3	63.3	63.3	63.3	63.4	67.4	63.4
0.5	41.231	8.9	62.0	64.6	65.9	66.3	út∙5	66.5	60.5	66.5	66.5	66.5	66.5	66.5	60.6	65.6	66.6
CE	4 . 5 3 1	9.5	66.€	58.7	76.2	77.8	70.9	77.9	73.9	70.9	70.9	70.9	73.9	73.9	71.3	71.0	71.0
ωE	35001		£9.4	72.2	73.7	74.6	74.6	74.9	74.8	74.6	74.8	74.9	74.8	74.9	74.9	74.9	74.9
, F	30 001	11.3	74.2	77.6	79.2	87.4	Fi. 5	85.9	0 J. 4	87.9	PO.9	90.0	90.9	83.9	°1.3	81.0	81.C
νE	25 151	11.3	75.1	78.9	83.b	82.0	9 ž • 7	87.9	82.9	82.9	P2.9	87.9	82.9	82.9	٥3.3	31.0	P 3 • ŭ
ع ر	2.001		75.7	79.5	81.4	83.0	43.7	82.9	64.C	04.0	94.0	84.2	84.3	84.7	24.1	84.1	P4.1
۶, ۲	10 1	11.6	76.0	80.3	81.5	83.7	-4.3	84.5	44.6	84.5	94.E	84.6	P4.6	84.6	94.7	84.7	84.7
1, 0	:5001	11.4	76.2	67.3	F2.6	64.9	55.5	96.1	F6.5	86.5	96.5	81.5	96.5	85.5	Po . 6	86.6	86.6
1. F	17571	11.6	76.3	81.1	63.3	85.5	c L • 2	66.9	97.2	87.2	97.2	87.2	P7.2	87.3	c 7.4	87.4	87.4
Ü E	11001	11.6	76.7	31.4	84.3	٤6.3	87.1	87.8	39.4	89.4	₽8.€	86.5	9 R . 6	88.7	68.8	89.A	8.89
3.5	5.371	11.€	76.8	61.5	04.2	c6.9	37.6	68.4	99.5	07.0	99.2	82.2	89.2	39.4	99.5	89.5	A 9 . 5
•		11.6	76.9	81.7	84.7	87.6	88.4	87.4	90.1	73.2	90.5	97.5	97.5	93.6	91.0	91.0	91.0
. r		11.5	77.0	61.8	₽4.8	€7.7	a b • 8	9~.1	91.0	91 • 1	91.5	91.5	91.5	91.7	92.3	92.0	92.0
ŞE	6.5	:1.0	77.1	62.3	95.4	83.7	9 C • G	91.5	92.7	92.A	93.2	97.4	93.4	93.7	94.3	94.3	94.D
1, 1	1 1	11.6	77.2	32.4	25.9	67.3	51.3	93.3	94.3	94.4	94.5	91.3	95.3	95.5	95.8	95.8	95.8
٠	401	11.6	77.3	42.5	16.0	90.4	31.8	94.2	95.5	95.7	96.7	97.1	37.1	97.3	97.6	97.6	97.6
Ü.F		11.6	77.4	92.6	Pc - 1	97.5	72.2	94.6	96.7	96.7	97.4	ye n	98.5	98.3	78.6	99.6	96.7
	. 371	11.€	77.4	42.6	P6 . 1	97.5	02.3	94.7	96.1	96. 3	07.5	40.2	98.2	93.5	98.9	99.9	99.2
٠,٢	: 251	11.6	77.4	62.0	P6 + 1	90.5	72.3	94.7	96.1	95. 7	97.5	98.7	98.4	98.8	99.2	99.4	99.8
6 F	:1	11.6	77.4	52.6	40.1	90.5	54.3	94.7	76.1	×6 . 3	97.5	9 2	98.4	98.8	99.2	99.4	100.3
				• • • • • • •													

TOTAL HUMBER OF OBSERVATIONS: 930

OLGAN CLIMATOLOGY PRANCH USAFETAC AIR WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM ECURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFR NU

CHILING 14	STATION NUMBER:	724396	SINTI	ON NAME:	MC GU	IRE AFR	NJ				PE 9100	OF PEC	OPD: 78			
File		• • • • • • •	•••••	• • • • • • • •	• • • • • •	•••••						• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •
## FILT   10											-					_
No Celle   8.4   49.0   49.4   49.0   53.0   FC.0   50.0   Cl.0   50.0   FO.C   50.1   50.1   50.2   50.2   50.2   50.3     A Coulce   8.6   54.3   54.7   55.2   55.4   55.5   55.6   55.6   55.6   55.6   55.6   55.8   55.8   55.9   56.0     A Coulce   8.6   54.3   54.7   55.2   55.4   55.5   55.5   55.4   55.4   55.5     A Coulce   8.6   64.5   54.7   55.2   55.4   55.6   55.7   55.4   55.5     A Coulce   8.6   64.5   54.7   55.2   55.4   55.5   55.9   56.0     A Coulce   8.6   64.7   55.2   55.4   55.6   55.9   56.0     A Coulce   8.6   64.7   55.2   55.6   55.8   55.9   56.0     A Coulce   8.6   54.7   55.2   55.6   55.8   55.9     A Coulce   8.6   54.7   55.2   55.6   55.8   55.9     A Coulce   8.6   54.7   55.2   55.6   55.8   55.9     A Coulce   8.6   54.7   55.2   55.6   55.8   55.9     A Coulce   8.6   54.7   55.2   55.6   55.8   55.9     A Coulce   8.6   54.7   55.2   55.6   55.8   55.9     A Coulce   8.6   54.7   55.2   55.6   55.8   55.9     A Coulce   8.6   54.7   55.2   55.6   55.8   55.9     A Coulce   8.6   54.7   55.2   55.6   55.8   55.9     A Coulce   8.6   54.7   55.2   55.6   55.8   55.9     A Coulce   8.6   54.7   55.2   55.6   55.9     A Coulce   8.6   54.7   55.2   55.6   55.9     A Coulce   8.6   54.7   55.2   55.6   55.9     A Coulce   8.6   54.7   55.2   55.6   55.9     A Coulce   8.6   54.7   54.8   54.7   56.8   56.9     A Coulce   8.6   54.7   57.1   57.2   57.2   57.3     A Coulce   8.6   54.7   57.1   57.2   57.2   57.3     A Coulce   8.6   54.7   57.1   57.2   57.2   57.3     A Coulce   8.6   55.0   55.4   55.9   56.9   56.9   56.9     A Coulce   8.6   55.0   55.4   59.9   56.9   56.9   56.9     A Coulce   8.6   55.0   56.9   56.9   56.9   56.9   56.9     A Coulce   8.6   56.0   56.9   56.9   56.9   56.9   56.9   56.9     A Coulce   8.6   56.0   56.9   56.9   56.9   56.9   56.9   56.9     A Coulce   8.6   56.9   56.9   56.9   56.9   56.9   56.9   56.9     A Coulce   8.6   56.9   56.9   56.9   56.9   56.9   56.9     A Coulce   8.6   56.9   56.9   56.9   56.9   56.9     A Coulce																
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15 10 0 0 1 8,6	40 CEIC   6.4	4710	77.7	47.0	3.1. 5	C • U	36.03		33.3	- 0 - 0	2 • 1	30.1	33.4	70.2	3012	-0.5
15 10 0 0 1 8,6	or anicol ala	54.3	54.7	55.2	i.e., ii	1,5 . 5	55.6	55.6	55.6	cs. 4	66 7	55.4	66.0	65.0	5 5 D	54.0
57 14 10 1 8.6 54.7 55.2 55.6 55.8 55.8 55.8 55.9 56.0 56.0 56.0 56.0 56.1 56.2 56.3 56.3 56.3 56.3 56.5 6.2 6.2 12 10 1 8.6 55.4 55.6 55.2 55.9 55.2 55.9 56.0 56.0 56.0 56.1 56.1 56.2 56.3 56.3 56.3 56.3 56.3 56.3 56.3 56.3																
## 1971   8.6   54.7   55.2   65.6   55.8   55.8   55.9   56.7   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0   56.0																
UNITED   0.6   55.6   55.7   56.5   56.7   56.6   56.7   56.6   56.9   56.9   56.9   56.9   57.0   57.1   57.2   57.2   57.3    UNITED   0.7   57.1   58.0   50.4   58.7   56.6   58.9   50.5   50.5   50.5   50.7   50.7   50.1   50.2   50.2   50.8   50.9    UNITED   0.7   57.1   58.0   58.4   58.7   58.6   58.9   50.5   50.5   50.5   50.5   50.7   50.7   50.9   50.8   50.8   50.9    UNITED   0.7   57.1   57.0   57.6   57.5   57.5   50.5   50.5   50.5   50.7   50.9   50.8   50.8   50.9    UNITED   0.7   67.1   67.2   67.2   67.3   67.7   63.8   67.0   63.1   63.1   63.1   63.1   63.1   63.1   63.2    UNITED   0.7   67.1   67.2   67.2   67.3   67.5   67.5   67.5   67.5   67.5   67.5    UNITED   0.7   67.1   67.6   60.1   60.7   67.0   67.1   67.2   67.2   67.2   67.2   67.3   67.4   67.5   67.5   67.5    UNITED   0.7   67.1   67.6   60.1   60.7   70.0   70.4   70.5   70.6   70.6   70.6   70.6   70.8   70.9   70.0   70.0   70.4    UNITED   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7    UNITED   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0.7   0																
## 107   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.   17.																
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6.7         6.7         6.7         62.2         62.4         62.9         63.0         63.1         63.1         63.1         67.2         63.3         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.5         64.2         64.2         64.2         63.3         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.4         63.5         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         65.2         65.2         65.2         65.2         65.2         65.2         65.3         65.2         65.2         65.2         65.2         65.2         65.3         65.2         65.2         65.2         65.2         65.2         65.3         65.2         65.2         65.2         65.2         65.2         65.3         67.2         67.2         67.3         67.2         67		57.E	58.5	58.9	5.7 . 2	64.4	59.5	59.5	59.5		59.6	_		59.8	59.8	59.9
1																
75 17.27 3.0 64.9 66.1 70.0 77.0 77.0 77.0 77.0 77.0 77.5 77.6 77.6 77.6 77.6 77.6 77.6 77.6	Jr 7"Uni 9.5	42.C	62.2	63.3	67.7	63.8	63.0	63. 5	63.9	63.9	64.0	64.1	64.2	64.2	64.2	64.3
75 17 17 1 7.0 04.9 66.1 70.0 77.4 70.5 77.4 70.5 77.6 71.6 71.6 71.6 70.6 77.8 70.9 71.0 71.0 71.0 71.0 71.1 11.1 11.1 11.1	, F 67401 9.F	62.9	63.5	64.3	64.6	64.7	64.9	64.8	54.8	64.8	64.9	65.1	65.2	65.2	65.2	65.3
15 4701 7.1 67.6 69.1 70.0 70.4 70.5 77.6 73.6 73.6 70.6 70.6 70.6 70.8 70.9 71.0 71.0 71.1 15 4701 7.7 70.1 71.7 72.7 73.3 72.4 73.5 73.5 73.5 73.5 73.5 73.7 73.8 73.7 73.9 73.9 73.9 73.9 73.9 73.9 73.9																
16 4 10 1 10 1 7 1 7 1 7 1 7 1 7 1 7 7 7 7 7	or shatl 9•6	64.9	66.1	66.7	67.3	67.1	67.2	67.2	67.2	67.2	67.3	67.4	67.5	67.5	67.5	67.0
1	05 45004 9.1	67.6	69.1	70.0	70.4	70.5	77.6	71.6	10.6	70.6	7~.ε	70.9	71.0	71.3	71.0	71.1
61 7.001 10.3 76.0 78.0 79.2 69.1 MC.4 60.5 70.5 60.5 80.6 80.6 80.6 80.9 MC.9 80.0 81.0 C 70.1 10.5 77.0 70.4 81.1 81.9 MC.3 82.6 72.6 82.6 82.6 82.7 82.8 82.9 MC.9 82.9 83.0 C 7.0 1 10.5 76.3 80.4 81.7 82.8 82.9 83.7 83.7 83.7 83.7 83.7 83.9 84.0 84.0 84.0 84.0 84.1 10.4 10.4 10.4 10.4 10.4 10.4 10.4 1	(F 47H) 7.7	70.1	71.7	72.7	73.5	73.4	73.5	73.5	73.5	73.5	73.7	73.8	73.9	73.9	73.9	74.0
01 1707 1705 7706 7706 81.1 81.0 82.3 82.6 72.6 87.7 82.6 87.7 82.8 82.9 82.9 83.0 07 1701 1705 76.4 87.6 87.4 81.7 82.8 82.9 82.9 83.0 84.1 87.1 1706 1706 1706 1706 1706 1706 1706 170	05 3500 <b>  1</b> 0∗1	73.3	75.2	76.2	77	77.2	77.3	77.3	77.3	77.3	77.4	77.5	77.5	77.6	77.6	77.7
CF       2501 10.5       76.3       80.4       81.7       83.2       83.7       83.7       83.7       83.7       83.9       83.9       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0	67 7,421 15.3	76.L	78.0	79	E 9 - 1	PC. 4	50.5	າປ•5	a5.5	90.5	87.6	83.8	50.9	P0.9	60.9	81.0
CF       2501 10.5       76.3       80.4       81.7       83.2       83.7       83.7       83.7       83.7       83.9       83.9       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0       84.0																
07 16.7 10.4 76.4 60.6 81.9 83.2 82.4 83.9 93.9 83.9 83.9 84.0 84.1 84.2 64.2 64.3 11.2 11.2 11.4 78.4 61.3 83.0 64.2 64.2 64.2 65.7 95.4 85.4 85.5 85.6 85.7 85.7 85.7 85.8 85.6 11.2 11.2 11.4 78.4 81.2 83.0 84.4 85.2 86.2 86.3 86.2 86.3 86.5 86.6 86.7 86.7 86.7 86.7 86.8 86.8 86.3 86.9 87.3 87.4 87.5 87.5 87.5 87.6 87.1 10.6 79.4 82.4 84.5 85.9 80.6 87.1 87.6 87.6 87.6 88.3 88.4 88.5 88.5 88.5 88.6 82.1 11.4 11.4 11.4 11.4 11.4 11.4 11.4 1							85.6	2.6	o 2 ⋅ 6	°2.6						
11 11 11 11 11 11 11 11 11 11 11 11 11																
15 1007 1006 79.1 81.2 83.0 84.7 65.6 86.1 90.2 86.2 86.3 86.5 86.6 86.7 86.7 86.7 86.8 86.8 1007 1007 1006 79.1 50.2 84.0 85.2 85.8 86.6 86.8 86.3 86.9 87.3 87.4 87.5 87.5 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6								6 g . 4		23.6						
## 10071 10.6								95.4		F5.4						
UT 921 10.6 79.4 82.4 F4.5 85.9 F6.6 87.2 87.6 87.6 87.6 87.8 88.5 88.5 88.5 88.5 97.6 F0.1 10.6 79.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87	Un 1000 1046	79.1	81.7	83.a	84.1	15.6	66.1	96.2	86.2	96.3	65.5	86.6	86.7	a 6 • 7	86.7	86.8
UT 921 10.6 79.4 82.4 F4.5 85.9 F6.6 87.2 87.6 87.6 87.6 87.8 88.5 88.5 88.5 88.5 97.6 F0.1 10.6 79.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87																
15											-					
Tell   10.4   79.7   82.9   85.6   86.1   86.0   97.2   97.8   97.4   97.5   97.1   91.5   91.6   91.7   91.7   91.7   91.9																
of         bill         fine         f																
7 50.4 10.6 79.6 83.1 47.1 89.7 90.9 97.2 92.8 92.9 93.3 97.7 94.3 94.3 94.3 94.5 90.7 90.1 10.6 79.5 83.1 87.8 90.7 91.4 93.2 94.7 95.4 97.9 96.0 96.5 96.5 96.7 90.7 50.1 10.6 79.6 87.1 87.5 90.4 91.7 97.5 94.5 94.6 95.4 97.9 97.5 96.6 97.1 97.1 97.1 97.1 10.6 79.8 87.1 87.5 90.4 91.7 97.5 94.6 94.7 96.0 97.0 97.2 98.0 98.1 98.6 10.1 10.4 79.8 87.1 87.5 90.4 91.7 97.5 94.6 94.7 96.0 97.0 97.2 98.0 98.0 98.1 98.6 10.1 10.4 79.8 87.1 87.5 90.4 91.7 97.5 94.6 94.8 95.1 97.4 97.6 98.7 98.7 99.0 99.9																
GF 4001 17.6 79.6 83.1 87.8 90.7 91.4 93.2 94.7 95.4 95.9 96.0 96.0 96.5 96.5 96.7 97.1 97.1 97.3 97.1 10.6 79.8 87.1 87.5 90.4 91.7 97.5 94.6 94.7 96.0 97.0 97.2 98.0 98.0 98.1 97.3 97.3 97.5 10.6 10.6 10.6 79.6 87.1 87.5 90.4 91.7 97.5 94.6 94.7 96.0 97.0 97.2 98.0 98.0 98.1 97.4 97.6 10.6 10.6 10.6 10.6 10.6 79.6 87.1 87.5 90.4 91.7 97.5 94.6 94.8 99.1 97.4 97.6 98.7 98.7 99.0 99.9	of 500 100 6	79.6	E 4 • 1	₽ E. • 3	89.4	46.4	91.7	92.3	92.4	92.7	9 7 . 1	63.5	95.3	73.3	93.3	93.5
GF 4001 17.6 79.6 83.1 87.8 90.7 91.4 93.2 94.7 95.4 95.9 96.0 96.0 96.5 96.5 96.7 97.1 97.1 97.3 97.1 10.6 79.8 87.1 87.5 90.4 91.7 97.5 94.6 94.7 96.0 97.0 97.2 98.0 98.0 98.1 97.3 97.3 97.5 10.6 10.6 10.6 79.6 87.1 87.5 90.4 91.7 97.5 94.6 94.7 96.0 97.0 97.2 98.0 98.0 98.1 97.4 97.6 10.6 10.6 10.6 10.6 10.6 79.6 87.1 87.5 90.4 91.7 97.5 94.6 94.8 99.1 97.4 97.6 98.7 98.7 99.0 99.9		76 /										n	o., •		0	n 1
F 123 10.6 79.6 87.1 67.5 90.4 91.7 97.5 54.5 94.6 05.9 96.5 96.6 97.1 97.1 97.1 97.3 06. 10.0 10.0 10.0 10.0 10.0 10.0 10.0																
SE 7271 17.7 79.8 67.1 67.5 97.4 91.7 97.5 94.6 94.7 96.2 97.7 97.2 98.3 98.1 98.1 98.6 EL 1.01 10.6 79.0 67.1 67.5 90.4 91.7 97.5 94.6 94.8 95.1 97.4 97.6 98.7 98.7 99.0 99.9 66 1 10.6 79.8 87.1 87.5 90.4 91.7 97.5 94.6 94.8 95.1 97.4 97.6 98.7 98.7 99.0 100.0																
CE 1.01 10.6 79.6 67.1 67.5 90.4 91.7 97.5 94.6 94.8 95.1 97.4 97.6 98.7 98.7 99.0 99.9 66 11 10.6 79.8 87.1 87.5 90.4 41.7 97.5 94.6 94.8 96.1 97.4 97.6 98.7 98.7 99.0 106.0								-								
6f 1 10.f 79.b 87.1 57.5 50.4 (1.7 97.5 04.6 94.4 95.1 97.4 97.5 98.7 98.7 99.0 106.0																
	Ch. Alvin Alak	17.0	0:•1	61.5	9 4	~1. I	95.5	74.€	94.4	45.1	71.4	41.6	95 a /	48.1	44.0	77.7
	6.6 11 10.6	79.5	H 7 . 1	. 7	cr	.1.7	47 (	50.4		06 1	5 7 B	07 6	09.7	Q4.7	99.0	100.0
	•											_				

TOTAL NUMBER OF GISFRIVATIONS: 030

GLOCAL CLIMATCLOGY BRANCH USAFLTAC AIM MEATHER SERVICEMMAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFR NJ PE2100 OF FECORD: 78-87 MONTH: JAN HOURS(LST): 2100-2300 CELLING VISIBILITY IN STATUTE MILES THE FOR GE GF GE 2 1 1/2 1 1/4 G€ uE 4 GE GΞ GΕ 6 E CE GF GŁ 6E 5716 10 3 2 1/2 1/2 5/5 1/4 NO CETE 1 7.4 48.7 48.7 47.4 48.2 40.4 49.7 45.7 48.7 49.9 46.7 46.6 48.8 49.A 49.0 50.4 61 257664 13.9 55.4 54.7 64.9 55.4 55.4 55.4 55.4 55.5 55.5 55.5 55.5 55.5 55.7 55.4 55.4 55.6 55.4 55.4 55.8 55.5 55.5 55.6 55.5 55.5 55.9 65 16703| 65 16703| 65 14703| 7.6 7.6 7.6 55.4 55.4 55.4 55.5 55.5 55.9 55.5 53.9 54.7 54.9 55.4 55.4 55.4 55.5 55.7 55.7 53.9 54.3 54.7 55.2 54.9 55.4 55.9 55. h 55.9 55.0 55.9 56.1 GE 12mull 56.7 (F 10m20) GE 95001 (F 65001 OF 66001 50.0 56.7 57.6 58.3 7.6 58.9 (1.5 57.1 59.4 58.1 60.4 58.4 ٠. ٤ . ٧ 50.9 58.9 61.5 59.3 59.7 64.J 59.0 59.2 61.6 54.9 58.9 61.5 61.5 61.5 61.5 61.6 á•1 62.9 9.1 61.7 62.3 62.8 62.3 62.8 62.3 62.6 67.7 62.9 52.9 12.4 F 3 - 1 64.7 61.7 63.9 8.1 63.3 63.9 63.9 63.9 44.9 64.0 52.4 €4.0 64.2 50001 45001 41001 67.0 64.7 67.0 66.5 07.9 57.0 67.0 67.0 67.1 47.1 65.5 67.1 67.3 67.8 73.6 69.1 69.9 77.4 70.4 74.3 70.4 73.4 75.4 74.3 70.4 7°.5 70.5 74.1 76.8 0.7 70.5 UΓ 8.9 74.1 74.1 74.1 31201 31011 77.8 77.2 77.8 77.0 77.9 79.0 78.1 76.3 75.7 77.7 79.1 8 J . C 90.0 83.2 80.2 FJ. 2 50.2 25 UNI 27 UNI 13 UNI 15 UNI 17 UNI 9.5 77.2 77.6 62.0 83.0 93.3 62.2 83.1 83.5 ų Ļ 79.5 h1.1 61.7 a2.0 82.0 92.0 92.3 32.3 22.3 P 2.5 P3.2 P3.7 63.7 67.2 87.5 9 . . . P. . . 93.0 93.2 83.7 83.2 52.3 13.1 -1.9 -3.2 93.0 83.2 83.7 R 3 . 4 77.8 83.4 33.4 93.4 ٠, . . 73.0 51.5 93.2 64.5 24.6 94.7 45.1 85.1 95.1 85.5 25.6 85.6 86.7 65.6 85.6 P5.8 82.5 55. 7 46.1 P6 . 1 66.7 96.7 66.7 - u . 1 7, 5 ÷ € • 5 27.3 47.5 89.5 £8.6 59.7 A6.9 54.3 66.9 40.1 9071 7071 G. 5 79.7 31.3 83.5 45.4 86.3 87.1 27.1 47.5 87.5 88.5 48.1 89.3 89.4 88.7 89.7 69.2 97.2 89.4 90.3 89.5 90.4 89.5 93.5 99.8 90.9 77.6 F6 . J 90.5 33.5 9.5 79.4 63.5 c a . i 90.4 90.8 91.3 91.5 91.6 43.5 6 B . U 33.9 96 . : 20. 2 91. 91.4 21.7 92.3 92.4 92.5 92.5 92.6 92.8 t. r 3.5 *5.1 *5.1 *J.1 40.2 P9 ... 90.5 91.9 92.6 92.6 92.0 93.3 94.2 91.7 94.1 54.1 94. E 92.5 93.0 93.8 94.1 94.2 94.4 421 99.4 95.5 96.8 9.1 84.1 85.3 86.3 96.2 96.6 95.8 95.8 95.9 96.1 94.0 94.7 37.1 97.8 87.5 y5.1 97.8 98.D 95.1 94.4 ... 56.6 74.3 97.0 2.1 14.5 98.5 ٤٠٠ تا تا تا 92.6 11 5.5 12.1 54.1 86.3 69.5 ...6 92.6 96.9 97.1 98.1 98.2 98.6 100.0 96 0

FOTAL NUMBER OF OPSERVATIONS: 936

GLODAL CLIMATOLOGY BRANCH COAFETAC AIR ACATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOLHELY OBSERVATIONS.

TATION N												: JAN	HOURS	(LST1:	ALL	
FILI'G	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	•••••			IN STATU			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
	CE	GF	GE	űF	6F		G E	65	CE	C.F.	C.E.	GĘ	GE	GE	GE	GE
FEET			5	4		2 1/2		1 1/2		1	1/4	5/8	1/2	c/16	1/4	ü
.,,,,,,,,,,	• • • • • • • • • • • • • • • • • • • •								• • • • • • • •			• • • • • • •	• • • • • • •		• • • • • • •	•••••
J CEIL !	7.7	44.1	45.1	45.5	45.7	4 5 . E	4 E . 3	45. 7	45.7	45.9	46.0	46.0	46.7	40.3	46.C	46.0
r bucurl	7.€	49.3	57.5	51.0	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.6	c1.6	51.6	51.7
file tubif	7.6	49.6	50.0	1.4	51.7	-1.7	51.7	51.9	51.9	61.5	51.0	52.0	52.3	52.0	52.0	52.0
FILE STE	7.€	43.7	50.9	F1 • 5	51.5	41.8	51.8	51.9	51.9	52.0	57.0	52.1	52.1	52.1	52.1	52.1
F 14 UST	7.6	49.9	51.4	r.1.7	52.0	52.1	52.1	52.2	52.2	52.2	57.7	52.3	52.3	52.3	52.3	52.4
F 141 21 1	7.7	= 3.7	51.9	52.5	52.4	12.9	52.9	53.0	53.3	43.0	57.1	53.1	53.1	53.1	53.1	53.2
5 150001	7.4	. 3 . 3	54.3	15.4	55.H	55.5	55.0	56.9	56.3	56.0	56.1	56.1	>6 · 1	56.1	56.1	56.2
F 91501	7.9	54.0	55.5	56 • 1	56.5	56.5	56.6	56.7	56.7	r6.7	51.8	56.3	56.8	E 6 . 8	56.8	56.9
t enunt	8.2	5.7.7	59.3	60.1	60.5	61.6	6".7	63. P	67.8	50.5	67.7	63.9	63.9	63.9	60.9	61.0
F 77631	e , ?	53.7	67.4	61.1	61.6	€1.7	61.7	61.9	01.9	61.5	61.c	62.0	62.3	52.0	62.D	62.0
r 5 571	8.3	• • • 5	51.2	61.9	62.4	54.5	62.5	62.7	62.7	62.5	62.4	62.8	62.8	62.9	62.9	62.9
# 10 to 1	a , 4	61.6	53.E	64.5	65.1	65.3	65.3	65.5	05.5	45.6	64.6	65.6	65.6	65.7	u5.7	65.7
r 4 ° (* )	4.0	.5.3	67.4	68.5	69.3	5 + . 4	67.5	69.7	69.7	69.7	60.0	69.8	69.3	69.8	69.8	69.9
E 4 301	1.7	1	77.4	71.8	77.7	72.9	77.0	73.1	77.1	73.3	77.1	73.3	73.3	73.3	73.3	73.4
E 35 UST	∘.6	73.9	73.5	75.0	76.1	76.4	76.5	76.€	76.5	76.7	76.9	76.8	76.9	76.9	75.9	76.9
1 2 2 1	3 • ¢	73.7	76.5	76.1	79.4	75.7	79.9	90.1	50.1	P7.0	80.3	A0.3	83.3	00.4	80.4	80.4
5 2501	5.5	75.1	79.1	79.6	81.2	₽ i. €	81.9	32.1	62.1	02.2	87.3	F 2 . 3	82.4	A 2 . 4	82.4	62.4
5 2 121	1 . "	76.6	17.1	93.9	82.4	36	83.2	#3.4	63.4	93.5	3 ? • 6	93.7	93.7	03.9	8.18	53.8
€ 1020 F		76.2	79.3	· i • 1	92.7	-3. c	H 3 . 5	o 3 . a	83.3	03.7	84.0	84.1	84.1	94.1	84.1	84.2
1 15.50]		77.1	37.5	42.4	64.2	-4.7	85.0	85.5	05.5	P5.7	50	86.0	96.7	96.3	86.0	66.1
7 1757	10.3	77.7	81.2	#3 • 3	85.2	25.7	86.3	30.6	86.6	96.0	87.1	97.1	87.2	27.2	87.2	87.2
( 1057)	:0.2	79.0	61	٠4.٠	86.0	i to 6	67.3	97.7	57.7	38 • 1	5 . 4	98.5	88.6	98.6	a 8 . 7	F8.7
5 924	12	72.2	51.5	F4 . 4	86.6	87.2	67.9	84.4	55.4	99.5	33.5	89.2	87.4	99.4	89.4	89.5
E 127	11.2	79.4	82.7	F5	27.4	88.1	80.1	27.7	9.5	20.3	97.7	97.8	91.3	91.1	91.1	91.2
	40.0	73.5	07.4	15.3	47.9	3006	89.9	91.5	93.7	91.3	91.6	91.7	91.7	92.0	92.2	92.2
5 621	10.0	7.5 • €	32.	65.0	69.5	€ 4. E	97.5	91.5	91.2	25.3	97.9	93.0	93.2	93.4	93.5	93.5
r . ~1	1~.	**. t	á?.6	65.5	69.3	96.2	91.7	92.8	93.1	23.7	94.4	94.5	94.9	95.3	95.1	95.2
	1 " • 2	78.7	4 2 .6	25.5	67.3	46.5	97.5	23.0	94.1	99.0	90.9	95.9	96.3	96.5	96.6	96.7
10.1	: 1.7	7 3 . 7	9 2 . 5	ot.	1.9.5	91.08	97.1	94.6	95.7	36.1	97.1	97.2	97.7	97.9	99.1	98.2
	17.2	73.7	32.6	50.0	40.b	40.9	97.1	74.0	95.3	06.1	97.5	97.6	99.3	98.6	98.8	99.1
1 -1	17.2	13.7	# 2 · 0	56 • J	89.6	46.4	93.1	24.4	95 . t	26.5	97.6	97.8	98.6	98.9	99.2	99.9
ъ. П	1	75.7	57.5	ne	19.6	96.9	93.1	94.8	95.3	96.5	97.6	47.8	98.6	28.9	00.3	100.0

# SECURAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIPILITY USAFETAC FROM FOURLY GOSERVATIONS ALBERT SERVICEMBEC

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFE NO

5.1	ATIO	N NE	JM 3೬% :	724096	STATI	ON NAME :	™ C 60	IRE AFB	43				PERIOD	CF PEC	0FD: 78	-87		
													MCITE	: 166	+OUPS	(LST): 1	0007-02	GΘ
			• • • • •	• • • • • • •	•••••	• • • • • • • •	• • • • • •	•••••						• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
	IL 150		rŁ	GE	GE	u!	r, E	GΞ	0.E	65	GE STATE	CE Dit bir	£5	٠.			GE	GΕ
	EF J		1,0	U:.		۷.		2 1/2	_	1 1/2		1	7/4	6F	GE 1/2	GE 5/16	1/4	υ
																	-	
6.0	CEIL	LI	10.4	53.5	54.5	55.1	55.9	55.5	55.9	56.5	26 • €	F6.0	5/ . 3	56.3	56.1	90.1	56.1	56.3
	251	- 1	11.2					59.3										
	1670			57.3 57.3	57.9 57.1	56.5	59.3	44.3	59.3 59.7	79,5 99.5	59.5 59.5	59.5 59.5	50.5 50.5	59.5	59.6 59.6	59.6	59.6 59.6	59.7 59.7
			11.2	57.0	57.3	າຕ • ສ 5 ຄ • ສ	59.3	59.3	59.3	59.5	59.5	6,9 6	50.5	69.5	59.6	. 4.6	59.6	59.7
			11.2	57.0	57.4	£4.5	59.3	5 5 . 3	50.7	57.5	59.5	3	50.5	59.5	57.6	7.6	59.6	59.7
			11.7	57.7	5 P. c	50.2	63.4	16.6	60.3	(0.2	66.7	40.2	67•7	60.2	67.3	60.3	67.3	60.4
.,	•••	- / (	••••								0.00		3 • 1	0.00	<b>o</b> , • .	. 3.3	0 / • 3	
ζ, Γ	110	ur I	11.6	61.5	52.4	63	€ ₹. 4	63.8	67.0	€3.9	63.♀	63.4	6	63.4	54.1	64.1	64.1	64.2
1. 1			11.6	€ 1.6	62.5	05.1	t 3. ,	€3.9	6 3	1.4.1	04.1	64.1	64.1	64.1	64.2	f4.2	64.2	64.3
υE	51	25 F	11.9	43.7	64.7	(5.5	66.3	16.3	66.3	56.4	0€.4	66.4	64.4	66.4	66.€	4.6.5	66.5	66.7
٠, ٢			11.5	64.3	65.5	66.3	£ 7 . 1	67.1	67.1	57.2	07.3	6.7.3	67.3	€7.3	67.4	67.4	67.4	67.5
٠, ٢	6.	up I	12.1	64.9	56.1	€.€ • ₹	£7.1	67.7	67.7	67.4	u7.4	67.6	67.4	57.6	€R.S	66.0	64.0	60.1
-, r	г,	-1	12.2	46.9	58.3	64.3	70.2	70.2	72.2	70.3	13	70.3	77.7	7.1.3	70.6	73.6	77.6	70.7
w I			12.6	69.9	71.0	76.6	73.5	77.5	73.0	13.6	12.6	73.€	77.6	73.€	13.9	73.7	73.9	74.0
ζ, ε	4 -	Jul	12.9	71.2	72.9	74.0	74.5	74.5	74.9	75.1	75.1	75.1	7 - 1	75.1	75.3	75.3	75.3	75.4
· · · ·			12.6	72.0	74.2	75.4	76.7	76.7	16.7	16	76.2	76 . F	76.8	76.6	77.1	77.1	77.1	77.2
" "	311	I	12.9	73.3	75.0	77.5	79.1	74.1	79.1	11.5	19.2	79	13.5	79.2	79.4	75.4	79.4	74.6
1.1	21.	<b>-</b> 1	12.9	74.1	77.0	76.6	F.D. 3	ac. 3	n^ .3	- 3. 4	a 🗆 • 4	° ) • 4	47.4	F 3 . 4	80.6	60.6	an.6	6C.7
F ر.		11	12.6	74.6	77.4	79	13.7	₽i∙L	41.1	41.3	01.	91.4	81.4	41.4	81.7	51.7	91.7	91.8
C.S.			17.0	74.6	77.7	79.3	51.1	£1.2	11.4	F1.7	01.7	01.E	61.0	01.6	02.1	P 2	82.5	F2.2
٠, ١			13.0	75.9	74.8	PULL	02.4	٠5	42.7	~ 5.	33. C	-3.1	o '•1	a 3 • 1	83.3	93.3	8 Z • 3	P 3 . 5
'	17	∪ <u>-</u> 1	13.0	70.4	79.3	81.1	o ₹	F 5. 1	97.5	43.6	63.6	03.7	ρ.,,	93.7	93.0	n 3. o	83.9	P 4 . ()
	:	01	17.0	76.8	79.9	12.3	83.9	14.0	H4.5	1	65.1	ac . ?	85.6	45.6	35.4	95.8	55.E	85.9
( F			1 7 - 1	71.3	97.7	42.4	24.4		яс.р	11 / 4	36.4	c 4 . 4	87.1	P7.3	87.2	F7.2	97.2	P7.4
Ç. F			1 7 . 1	71.3	91.	53.1	65.2	≥5.7	86.6	47.4	67.4	27.€	4 * • °	87.9	d8.3	9 6 + 2	8 A . 2	86.3
:	. ,		1'-1	7.4	81.2	4.5 + 5	65.7	Ft.5	37.5	. 1. 3	ad. 7	28.5	83.4	H4.9	49.1	29.1	69.1	P9.2
٠, ٠	ć	. 11	17.1	77.4	31.2	F 3 • U	45.7	-6.6	47.6	-4.4	44.5	28.6	80.1	69.1	99.4	94.4	89.4	89.5
į r	t	. 1	17.1	77.5	81.5	83.9	55.1	-7.2	89.1	19.2	59.7	១០.:	gnis	÷ċ•5	93.9	91.J	91.0	91.1
. :			13.1	77.7	81.7	£4.5	56.0	+7.0	87	۾ ور پ	91.4	21.7	97.2	12.2	12.7	92.8	92.8	93.0
o f			13.1	77.7	51.7	64.5	67.2	A E . 4	90.1		42.7	93.1	94.1	04.1	14.5	04.8	94.9	95.2
. 5			17.1	77.7	51.7	F4 . 4	£7.4	46.5	47.4	12. 8	¥3.5	34.7	P* .6	95.6	16.6	27.0	97.5	98.1
1.1	:	. :1	1 7 • 1	27.7	91.7	F4 • 8	67.4	56.5	47.4	35.7	23.5	94.7	A 3	25.4	76.9	97.4	98.2	99.6
"		,	17.1	*7.7	91.7	24 <b>,</b> 4	H7.4	-5.5	90.4	92.5	91,1	14.3	45.3	25.9	96.9	07.4	98.2	100.0

TOTAL NUMBER OF OPSERVALLONS: - 446

GEGRAL SLIMATCHOGY BRANCH C'AFETAC AT- ACATEER SERVICEZMAC

# PERCENTAGE FREWDENCY OF OCCUPPENCE OF CFILING VERSUS VICIBILITY FROM FOCALY ORSERVATIONS

STATION NUMBER:			_							MONTH	: JAN		(LST):	ALL	
C 1 L 1 L	• • • • • •	• • • • • • •	• • • • • • •		•••••			IN STATE			• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • • •
15 1 (4	GE.	G E	úΓ	f; F	6-	61	5.5	65	6.6	1. L	63	St	6E	G.E.	GF
FEET 1 12	t	4,	4	,	2 1/2	-	1 1/2		1	7/4	1/h	1/2	1/15	1/4	J.
		• • • • • •													
NO CELL   7.7	44.	4	45.5	45.7	45.8	45.6	45. 1	45.7	45.5	46.0	46.3	46.7	46.3	46.0	46.0
ar 2000(1 7.€	49.3	57.5	51.0	51.3	°1.4	51.4	51.5	51.5	c1 • t	51.6	1.6	51.6	· i • b	51.6	· 1 . 7
10 m21 7.6	49.6	57.5	F1.4	51.7	12.7	51.7	51.9	21.0	r1.5	53.3	65.0	52.3	· 2 · J	52.0	52.0
F 16 571 7.6	47.7	57.9	1.	51.6	1.1.8	51.º	4	51.5	· 2 • *	57.0	1 . 2 ، 1	52.1	52.1	52.1	52.1
65 14 150 7.6	49.9	51.4	51.7	52.0	52.1	52.1	52.2	25.5	12.2	57.1	62.3	52 • 3	5 3	52.3	52.4
.º 1. 0° l ?∙7	5.3.7	51.,	12.5	52.3	(2,4	52.3	53. C	3 3 • 7	53.C	5 ' • 1	53 · k	51.1	5 - 1	53.1	53.2
		e 4:													
0.5 10000  7.5 6 9000  7.5	> 3 + 3	54.:	55.4	55.8	: 5, 6	55.0	50	5 t • ]	56.3	54.1	56.1	3€ • 1	6.1	56.1	56.2
, 5, , • ,	54.0	55.5	96 • 1	56.5	56.5	56.6	7	56.7	6.7	51.4	56.9	56.9	€.8	54.R	6.4
97.0  8.Z	5.7.7	59.3	(0.1	60.5	60.6	67.7	63.8	67.4	40.5	€7•3	69.3	63.9	63.9	60.9	61.0
Un 7701  8•1	5.9.7	5 7 • 4	61.1	61.6	61.7	61.7	61.9	61.5	61.5	61.c	62.3	05.3	ن و ي ۴	67.0	42.0
of www.21 6.3	5	51.2	(1.9	62.4	52.5	62.6	62.7	· *	62.4	€. • A	52.4	62.4	42.9	0.7.9	62.4
jF i, υ^1 a,4	61.ė	5 3 · t	64.5	65.1	25.3	65.3	e5.5	05.5	55.1	65.6	65.6	55.6	55.7	65.7	65.7
4.0	-5.3	57.4	68.5	69.3	59.4	67.5	19.7	69.7	49.7	63.2	63.B	53.2	19.4	57.5	(4.9
3 4 3 4 7 7	1	7 ~ .4	71.6	17.1	72. 9	77.0	73.1	77.1		77.	73.3	73.7	3.3	73.3	73.4
31.31 2.6	73.9	73.5	75.0	76.1	76.4	76.5	75.4	76.6	6.7	76.9	76.5	75.7	75.9	75.9	76.9
3 301 3.3	73.7	76.5	76.1	79.4	74.7	13.3	H 3 • 1	57.1	* n	M CO.	40.3	50.5	00.4	50.4	FS.4
, , , , , , , , , , , , , , , , , , , ,		10.3	. 6 . 1		1701	,,	7.2.4	7		- · ·	-0.3	330:	- 5 • •	30.	
11 1131 4.5	75.1	79.1	79.8	E1.2	F1.6	81.9	82.1	93.1	02.5	52.5	F2.3	82.4	P 4	27.4	64
11 11 11 11 11 11	10.6	72.1	45.4	43.4	24.0	47.2	43.4	53.4	23.5	47.6	93.7	93.7	A 3 . 9	6 . 8	53.8
1 2 1	16.3	79.7	*	7		H 7 . C	2 t	03.5	ct.	54.0	94.1	94.1	24.1	84.1	P4 . 2
17 0 1 10 1	* 7 . 1	5 . 5	42.4	-4.2	-4.7	85.3	45.5	05 5	25.7	61.0	40.0	96.7	46.J	86.9	+6.1
12771 12.3	77.7	92.2	13.2	- 4.2	- 5. 7	85 + 3	30.6	06.6	46.€	7.1	47.1	97.2	P7.2	67.2	F7.2
67 - 17 - 1 - 7 - 2	7.7	* 1 · .	24	₩6.÷	7 to 6	67.K	97.7	57.7	46.4	m, C 4	44.5	44.6	00.6	5 A . 7	F 6 . 7
5 3 1 17.7	7.4	51.es	h 4 . 4	r	P 7	57.0	4 . 4	48.4	20 · ·	49.2	2.00	43.4	P G . 4	40.4	49.5
1.5	* * • 4	27.0	E 5 a w	n 7 . 4	* e • •	42.1	- 1. 1	0	23.7	47.7	97.8	91.3	31.1	91.1	91.2
and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	7 = 4 5	57.4	15.3	₽7,¥	Me . B	H a * 2	* i. 5	1. 7	1.	* : . f	31.7	41.7	3.56	92.2	92.2
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 . t	9.2	6.50	e 2 • 5	c4. 6	17.00	11.5	91.º	25.3	9.0	२१,८	93.2	93.4	43.5	93.5
(3) f. 1 1042	•								0.1.1	1.0.1	24.5	94.9	95.3	95.1	95.2
				L7.	(C• )	.1 . /	₹.°• 5	• * • 1	23.7	94.4		-			
	75.7	6.7.4	*5	1.7 •	5 L. 5	17.45	23. n	+4 - 1	75.	15.3	25.9	96.3	96.5	96.6	96.7
		1.7.0		19.	9.00	91.1	74.L	95 • 1	6 • 1	ə 7 <b>. i</b>	77.	37.7	27.9	99.1	98.2
. 11 11-2	11.1	5.7.6	(L + 1)	* 9 • b		• ' • '	.4.	95.65	^6 • t	97.5	77.6	99.3	98.6	98.8	99.1
1 11.7	7 1 . 7	n.) •	14. <b></b>	19.5	•i• 4	12.	74.	y' • '	26 • 5	47.6	97.6	79.6	98.3	99.2	95.9
1.15.5	74. 7	80.0		.9.6	4	93.1	14.7		3	97.6	47.8	98.6	28.9	99.2	100.0

THE THEMSEL OF OUR HATTOUS THE

CL. TAL CLIMATCLOGY PRANCH INSAFLIAC ATH WLATHER SERVICEMMAC

# PERCENTAGE FREQUENCY OF OCCURPERIES OF CFILING VERSUS VISIBILITY FROM HOUSLY OBSERVATIONS

2.17	1160:1	VAM :Fb:	724096	STATI	CN NAME:	₩ C (\ru	IRE AFE	NJ				DEDIOD	OF PEC	OPD: 78	-87		
													: FEF		(LST):		
	1.170	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •
		I CE	Gr	GE	u!	r. i	6:	0.6	65	GE	ore Fig.		Gi				, ,
		1 1		0.0	۷.		2 1/2		1 1/2		1	₹/4	5/8	6E 1/2	GE 5/16	6E 1/4	GE U
																	•••••
			••••												•••••		
:. )	CEIL	1 17.4	53.5	54.5	55.1	50,9	55.5	55.9	56.1	5 6 e C	6.0	5/ . 3	56.3	56.1	56.1	56.1	56.3
		1 11.2	57.	57.9	64.5	59.3	56.3	50.3	٠ <b>٠</b> ٠	59.5	59.5	50.5	59.5	59.6	59.0	59.6	59.7
		111.2	7.7.3	57.	16.5	59.3	5.4	20.3	59.5	50.5	6.6	20.5	59.5	59.6	f9.6	59.6	59.7
		1 11.2	57.2	57.7	50.5	59.3	· y • 3	59.3	6.9 . 5	59.5	£ 9 • £	59.5	59.5	59.6	54.6	59.6	59.7
		1 11.2	* 7 • C	57.9	69.6	59.3	5 4 4 3	2003	59.5	59.5	(3.5	20.2	54.5	59.6	69.6	59.6	59.7
., [	12167	1 11.7	57.7	5 a . ¢	50.0	6.1.0	( L. U	60.0	t J • 2	60.Z	60.2	6".?	60.2	67+3	63.3	67.3	60.4
	11100	1 11.6	61.5	52.4	63	6 4. 4	e-3. 6	67.0	(3.7	65.9	63.4	6.0	63.9	64.1	(4.1	64.1	64.2
		1 11.6	€1.6	62.5	63.1	£3.5	63.9	61.7	64.1	04.1	64.1	64.1	64.1	64	£4.2	64.2	64.3
1. 1	51.01	111.9	13.7	64.7	15.5	66.5	16.3	66.3	56.4	06.4	66.4	61.4	66.4	66.5	66.5	66.5	66.7
0.1		1 11.5	14.3	65.5	66.3	t 7 . 1	67.1	67.1	57.3	67.3	6.7 . 3	67.3	67.3	67.4	67.4	67.4	£ 7.5
t	6161	1.12.1	64.9	56.1	Ct . +	67.1	67.7	67.7	67.8	67.8	67.5	67.9	67.8	68.0	66.0	68.D	68.1
						_		_									
		1 17.2	46.9	5 4 . 7	64.5	70.2	20.2	10.2	70.3	10.3	70.3	77.7	73.3	70.6	75.6	70.6	70.7
- : :		1 12.6	(9.9	71.0	7. •	7 7 . 5	77.5	73.5	73.6	17.5	73.€	77.6	73.6	13.9	73.4	73.9	74.0
		1 12.9	1:.2	72.0	74 • -	74.4	74.5	74.9	75.1	15.1	75 • 1	7' • 1	75.1	75.3	75.3	75.3	75.4
		12.5	72.5 73.7	14.7	75.4 77.5	76.7	76.7	76.7	16	16.4	76 • F	76.8	76.6	77.1	77.1	77.1	77.2
		1 12.4	1343	7.0	11.5	79.1	75.1	79.2	7 + + 7	19.2	79	13.05	79.2	79.4	79.4	79.4	79.6
	٠, ,	1 17.9	74.1	77.0	75.6	10.3	າ∟. 3	H 7 . 3	a D • 4	0 7 . 4	90.4	4".4	F ] . 4	80.6	°3.6	60.6	6C.7
		1 12.5	74.6	77.4	79.4	83. 1	Piet	81.1	51.3	nl•₹	P1-4	81.4	61.4	81.7	91.7	81.7	91.8
		1 17.0	74.0	17.1	74.5	61.1		41.4	F1.7	p 1 • 7	91.8	H1.9	P1.8	02.3	02.0	82.0	P2.2
		1 17.5	25.9	7 4 . "	B. ( • 5)	c 🕽 . 4	5	42.7	~ 5 . "	a 3 • 5	63.1	97.1	83.1	83.3	93.3	H 3 . 3	E3.5
1	1 `~	1 1 1 . 3	70.4	14.3	F 1 • 1	σ₹	-3.1	83.3	9.5.6	e 3 • 6	03.7	97.7	93.7	93.9	A3.9	63.9	F4.U
	100	1 17.0	16.5	70.9	12.1	13.4	ن د د د	44.5	1	35.1	25.7	85.4	95.6	35.8	₽5.8	55.8	P5.9
100		1 17.1	17.3	H 7	82.9	24.4		44, 0	a ₁ , 4	46.4	66.6	87.	97.3	87.2	F7.2	87.2	87.4
: +		1 17.1	11.3	91.	83.1	AS.	15.7	56.6	37.4	87.4	97.6	4.0	87.7	48.3	96.2	68.2	86.3
1		1 17.1	-7.4	61.2		95.07	- ( - 5	97.5	. 1. 3	3 3 · 7	28.5	43.0	48.9	89.1	99.1	69.1	89.2
		1 17.1	77.4	91.2	41.6	H5.7	-1.6	87.6	99.4	8F.5	28.8	89.1	P9.1	99.4	99.4	89.4	89.5
		1 : 1 . 1															
			17.5	81.5	83.7	r 6 • 1	- 7 - 1	H □ + 1	33.2	59.7	90.1	97.5	90.5	93.9	91.3	91.0	91.1
		1 13.1	7.7.7 77.7	91.7	94.5	6. n	+ 7 • 0 4 ; • 4	89.€ 99.1	اد هاد به د د	91.4	91.7	97.2	92.2	92.7	92.4	92.R 94.9	93.0 95.2
,		1 17.1	77.7	-1.7	64 • 4 64 • 4	e 7 . 4	~ <del>4</del>	y~.u	424	97.7 93.5	93.1	94.1	95.6	94.6	94.8	97.5	98.1
			• 7. 7	91.7	24.5	h 7 . 4	5	47.4	97.5	93.5	94.2	95.6		76.6	27.0 97.4		
		• .		/	-4.5	n / • 4		7 . 4	*. • *	*3.5	94.3	, ,	95.9	76.8	91.4	98.2	99.6
, r		1 12.1	7.7	91.7	# 14 · N	+7.4	36.5	¥5.4	4 No	93.5	24.3	90.9	95.9	96.9	97.4	98.2	100.0

TOTAL NUMBER OF OPSTRUMILIONS : SHE

GED-AL CLIMATCLOGY BRANCH CESTLAC FIR ALATHER SERVICEMMAC

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSES VISIBILITY FROM HOUPLY OBSERVATIONS

STATICE NUMBER:										MCNTH	FER.		(LST):		
CF16196	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••	••••••• V I S I	FILITY	TN: STATI	11F MI	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • • •
1V 1 6E	Gξ	GF	6F	GŁ	65	GL	GE	GE	GE	GE GE	6 {	G£	GE	GE	GE
FEET   In	t t		4		2 1/2	- 2	1 1/2		1	1/4	5/8	1/2	٠/16	1,4	۲
10 CHIL 1 2.7	52.8	5 ? • 7	e 4 . ;	54.7	54.8	54 .€	<b>. 4 .</b> d	54.8	54.6	54.8	55 · J	55.0	•5.0	55.0	55.0
.r 3000 <b>01 10.</b> €	. 5 . 5	57.4	58.0	58.0	50. J	50.1	53.1	59.1	E 9 . 1	57.1	59.2	59.3	59.3	59.3	59.3
01 18153  19.5	6.6	57.6	5c • 2	58.7	54.1	59.2	59.2	59.2	69	59.7	59.3	59.5	£9.5	59.5	59.5
6F 10701 19.5	50.6	57.6	45.2	58.7	59.1	59.2	19.2	59.2	69.2	59.2	59.3	59.5	69.5	57.5	59.5
า ก่า ได้ มีก่า ไก้เร	56.7	57.7	56.3	5	59. 4	59.3	- 9 - 3	29.2	59.3	50.3	59.5	59.6	59.6	59.6	69.6
ur impost inst	17.6	50.5	59.1	50.7	61.2	60.2	€0.2	63.2	60.2	67.2	60.3	67.4	65.4	60.4	66.4
												-	-		_
∍r 10man  1,1•0	10.5	61.7	62.4	£3.i	63.5	67.6	63.6	63.6	13.6	67.6	€3.7	63.8	63.6	ù 3 • B	€3.0
6F 97 631 11.0	6-9	67.4	6.2 . 6	€3.5	€ 3. 6	63.9	63.9	63.9	63.9	67.9	64.1	64.2	54.2	64.2	64.2
54 6700 <b>1 11:3</b>	. 3. 1	54.5	55.6	t6.4	しじ・も	65.9	60.7	06.9	66.9	66.9	67.0	67.1	67.1	67.1	67.1
ur 71371 11•€	63.7	65.1	60.3	67.4	67.7	67.4	67.8	67.9	67.8	67.0	68.J	63.1	68.1	68.1	66.1
GE 60631 11.6	54.4	55 · F	67.	68.1	5H.4	6 n • 6	68.6	68.6	68.6	ŭ F . 6	68.7	68.8	f 5 . B	60.8	68.8
on shapl 11.7	65.4	66.9	68.2	69.4	69.7	69.9	6 + . 9	69.9	69.9	60.3	70.0	72.1	70.1	70.1	76. i
UF 45 UF 11.9	67.1	67.1	70.3	71.5	72.6	72.1	72.1	72.1	72.1	72.1	72.2	72.3	72.3	77.3	72.3
F 40001 11.3	. 4.3	77.2	71.7	72.4	73.5	13.6	73.6	73.6	73.6	77.6	73.8	73.9	73.9	73.9	73.9
UC 35301 12.5	49.9	72.1	73.5	75.3	75.9	76.7	76.0	76.0	76.0	76.3	76 • 1	76.2	76.2	76.2	76.2
67 3 311 12.4	71.7	74.	76.)	77.4	76.1	78.3	73.3	74.3	79.3	70.3	78.4	78.5	78.5	74.5	78.5
									•						
50 July 11 17•9	72.€	75.2	77.3	78 - 5	79.6	79.7	79.7	79.7	79.7	77.7	79.8	79,9	77.9	79.9	79.9
W . CH 17.9	73.3	76.0	78.4	19.9	8C.9	81.3	31.1	01.1	21.1	81.1	31.2	91.3	01.3	81.3	P1.3
WE 15.01 12.9	73.3	76.3	76.4	0.08	F 1 . D	81.2	81.3	52.3	91.3	81.3	91.4	91.6	91.6	81.6	91.6
- (F - 15a7 <b>)</b> 17∗r	74.1	76.0	79.3	81.0	P 2 . Z	82.4	92.5	52.5	92.5	82.5	82.6	82.7	92.7	82.7	P 2 . 7
F 17171 17.7	4.6	77.4	79.9	£1.5	42.7	83.0	83.1	n 3 • 1	° 3 • 1	d7.1	93.2	93.3	° 3 • 3	d 3 • 3	P 3 • 3
GE 11431 17•n	74.9	17.5	20.3	81.9	83 <b>.1</b>	83.8	84.2	64.7	£4.	84.3	94.3	94.4	04.4	84.4	F4.4
3 01 13.0	75.4	79.5	91.2	63.1	64.3	55.0	95.3	45.3	85.3	85.0	05.7	45.3	P5.8	85.8	P5.6
	15.4	70.0	31.5	63.5	5.1	85.9	60.4	06.4	£6.4	86.6	86.8	87.1	97.1	87.1	97.1
7.1 17.0	75.4	79.	91.9	£3.9	55.6	86.4	97.0	37.3	97.0	67.4	A7.5	47.9	07.9	67.9	67.9
101 17:0	15.7	70.4	22.2	a4	05.9	86.7	P7.5	37.5	07.7	89.1	98.2	99.0	98.0	8 . 8	F8.5
Jr. 6.51 17.5	15.5	79.6	02.4	54.6	٥٤.5	87.9	F 4 . 7	69.7	07.4	90.4	93.0	21.1	71.1	91.1	91.1
	75.9	79.4	92.9	65.5	57.7	89.4	90.1	93.4	03.5	91.3	91.4	92.6	92.6	92.6	92.9
17.7	75.5	79.9	93.3	07.5 05.6	5/./ rE.4	90.4	71.3	91.0	72.3	97.4 97.4	72.7	94.1	74.1	94.1	94.6
201 17.6	75.9	79.9	93.3	85.6	98.5	97.5	91.5	71.5	2.7	97.3	93.5	75.	95.3	95.3	96.3
	75.9	72.5	:3.J	85.0	- 6 • 5 - 6 • 5	20.5	21.5	91.0	25.6	9 7 4 9	73.6	95.5	26.1	96.7	99.5
• • • •		,	,,,		( C • J	, ,		,		, . ,	,,,,	,,,,,	- 0 • 1	,	. , ,
111.0	75.9	79.5	93.E	85.H	5 و ع ع	9n.£	94.5	91.A	22.8	97.4	93.6	95.5	76.1	96.7	100.0

THITL HEMPER OF ORSERVATIONS: 346

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUSLY OBSCRIVATIONS

				5 T 4 T 2								HONTH	FER		(LSI): (		
	L InG	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••			IN STATE				• • • • • • •	• • • • • •	• • • • • • •	••••••
I FE	ET 1		GE 6	GE 5	GE 4		GE 2 1/2	G E	6F 1 1/2	6 E	ŭ€ ¦	GE */4	GF 578	6E 172	GE 5/16	GE 1/4	GE D
1, 0	CEIL I	7.7	47.5	48.3	47.1	49.2	45.3	47.3	49.3	49.1	49.4	40.4	49.4	49.4	49,4	47.4	49.4
υ£	200601	8.3	52.6	54.1	°5.3	55.3	55.7	55.9	56.0	56.7	56 • 1	56.3	56.3	56.1	56.3	56.3	56.3
5.5	100031	9.3	52.7	54.3	55.1	55.4	55.8	56.7	56.1	56.1	66.3	56.4	46.4	56.4	F. 6 . 4	56.5	56.5
13 E	16-301	9.3	52.7	54 + 3	55.1	55.4	55.8	56.0	50.1	56.1	56.3	56.4	56.4	56.4	56.4	56.5	56.5
i, F	14.001	2 . ?	53.C	54.5	55 . 3	55.7	56.0	56 . 3	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.7	56.7
U."	127071	3.3	53.3	54.0	55 € ₫	56.1	56.5	55.7	50.9	56.7	57.0	57.1	57.1	57.1	5.7.1	57.2	57.2
i, r	105001	2.4	55.e	57.3	: e . u	59.1	59.5	59.7	50.9	57.9	r.c. o	60.0	63.0	63.2	40.0	£7.2	60.2
ű, r	9101		56.3	57.0	59.1	59.6	60• U	62.3	60.4	65.4	63.5	67.P	50.6	60.8	60.8	63.9	60.9
0.5	- ຍິງວັນໄ		13.9	50.5	62.3	62.9	(3.6	63.8	63.4	67.0	54.1	64.3	64.3	64.3	44.3	64.4	64.4
t. E			6.3.6	57.6	64.2	64.4	65.5	65.7	65.8	65.5	66.0	66.2	66.2	66.2	50.2	66.3	60.3
, r	67371		6.1.8	63.7	65.5	66.2	66.9	67.1	67.3	67.2	67.4	6 . 6	67.7	67.7	67.7	67.8	67.8
1, (	77 274	9.8	63.6	65.5	67.3	68.5	6.8	69.1	63.3	69.3	49.4	69.6	69.7	69.7	69.7	69.9	64.9
.,,	45001		t 5 • 7	67.6	69.5	73.3	71.2	71.6	71.9	71.7	72.0	17. *	72.5	72.6	72.6	72.7	72.7
6.1		10.3	50.7	58.7	13	71.9	72.7	77.3	73.5	13.5	73.6	74.3	74.1	74.2	74.2	74.3	74.3
Čr		10.0	LB • 2	7.3.2	72.5	13.8	74.7	75.3	75.5	75.5	75 • 7	16.5	76.1	76.2	76.2	76.4	76.4
		10.7	( a , a	71.3	73.4	75.5	76.5	77.1	77.3	77.3	77.4	77.A	77.9	79.0	78.3	79.1	76.1
υF		13.6	€3.7	72.7	75.3	77.3	77.9	18.6	78.8	74.9	79.5	73.1	79.4	79.5	79.6	79.7	79.7
													91.5		91.1		
5. F		17.9	::.6	77.6	76.4	73.	79.3	80 • 1	19.4	00.5	82.5	80.9		31.1		61.2	f 1
oë Le		11.0	70.6 71.0	73.6	76.5	73.4	79.4	40.3	47.5	-	9.C. 6	81.5 87.5	A1.1	81.2	91.2	61.3	81.3 82.4
11		11.	71.2	74.3	77.2 77.3	79.1	nc.3 25.5	81.2 81.6	91.6	01.6	81.7 82.5	H 7 . 4	92.5	32.3 32.6	P2.6	82.4 82.7	62.7
		• • • •		,				•••			•	,					
		11.7	71.4	74 🕶	77.3	87.3	~ 1 · 6	62.6	93.	n 3 • ~	93.7	e 7 • P	a 3.9	34.2	24.2	84.3	P4.3
· · ·		11.0	12.1	75.7	78.5	81.1	42.6	87.3	44.2	84.2	94.6	n 5 ⋅ 1	F5.2	35.5	25.7	05.A	F5.9
٠, ٢		11.3	7.3 • 5	76.2	79.4	81.8	23.5	64.9	* 5 . 5	ø5•5	22.6	80.4	96.5	47.1	c7.4	a7.5	F7.6
,		11.7	72.6	76.5	14.7	82.E	24.3	pr.6	*6.3	06.4	u € " ୯	۴ ٠ <b>.</b> 4	27.5	88.1	94.3	ម្ន.។	A 6 . 5
* 1.	1.631	11.0	72+5	77.0	9C • 4	63.3	15. J	96.3	37.0	37 · 1	87.G	8 ° • 1	88.2	84.9	26.1	89.2	89.6
6, F	٠	11.3	72.0	11.	و دا	63.7	F 5 . 7	87.4	0 6	64.3	99.1	89.7	99.8	97.7	31.3	91.1	91.5
14.4		11.0	72.5	77.2	30.0	P4 . 3	- h - 4	8 p . 3	39.4	n9.7	30.5	9: . 1	71.3	92.2	92.6	92.8	93.4
, r		11.7	72.9	17.3	9:.)	84.3	26.5	60.5	4 . 7	93.5	91.4	97.4	22.7	93.6	74.3	94.2	94.9
, ;	^ i	11.5	72.9	17.3	P 3 . #	H4 . 4	6.8	48.0	9.34 4	4.5	21.5	9 2 . ~	73.3	94.7	95.0	95.7	96.8
1, "		1:.~	72.9	77.3	40.,	84.4	9.9	99.9	3 1• €	47.5	92.5	97.7	93.5	95.0	95.4	97.2	99.4
6.1	1.1	11.~	72.5	11.3	50.7	54.4	°6.8	99.6	* ? • °3	43.5	92.5	97.3	23.5	95.2	75.5	97.3	120.0

TOTAL GUMBER OF OUSCRIATIONS: - 946

GENERAL CLIMATOLOGY BRANCH - USAFETAS

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

ATT WEATHER SERVICE/MAC

STATION NUMBER: 7:4396 STATION NAME: MCGUIRE AFB NJ PERIOD OF PECORD: 78-87 MONTH: FEE HOURS(LST): 0909-1100 . . . . . . . . . . . . . CEILING VISIBILITY IN STATUTE MILES GE ( GE 1 7/4 SE IN I GE GE SE GΕ GE GE GE 2 1 1/2 1 1/4 GE GE Gξ 3 2 1/2 ĪC 6 ŗ 5/16 1/4 44.5 NO CELL | 7.6 43.3 45.9 45.9 45.9 45.9 45.5 45.9 45.9 45.9 45.9 45.9 45.9 45.9 45.9 ue zonebl 7.1 52.7 55.7 55.7 55.7 54.6 55.2 54.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 05 180001 05 160001 05 140001 56.0 9.0 53.1 56.0 55.0 55.5 56.0 56.0 56.5 56.5 56.0 56.0 66.0 56. 56. C 56.0 56.0 56.0 56.0 53.1 53.5 55.0 55.4 56.5 ទ.ព 15.6 56.0 56.C 56.7 56.0 56.0 9.0 56.5 5€.5 57.9 56.5 57.9 6.0 56.5 56.5 56.5 56.5 56.5 56.5 60.6 JE 101U11 7.1 57.2 59.2 60.2 67.6 63.6 60 . E 60.6 60.6 07.6 €3.6 60.6 63.6 60.6 66.6 9000| 9.1 ersol 9.8 7000| 10.0 6-00| 10.2 61.3 66.0 69.3 61.3 66.0 68.3 61.3 66.3 69.3 57.8 61.9 59.7 64.2 63.9 65.1 61.3 61.3 61.3 66.0 66.3 61.3 56.0 66.3 61.3 66.J 61.3 61.3 65.8 65.8 66.i 66.0 67.1 43.4 55.1 69.1 68.3 68.3 68.3 68.3 58.9 69.0 43.8 69.9 69.0 69.0 68.8 68.9 58.9 49.3 56.5 67.0 68.6 68.7 65.0 57071 10.4 66.7 69.5 72.0 72.1 72.2 12.2 72.2 72.5 72.3 :2.3 72.3 72.3 70. 71.9 12.3 4°02| 10.4 4 00| 10.9 3°2| 11.2 71.2 73.9 75.8 74.6 76.5 74.6 76.5 74.6 76.5 69.3 72.6 74.1 74.5 74.7 74.1 74.7 74.7 Ċr 76.6 79.6 74 • 2 7 • • 0 76.0 77.9 76 • 4 79 • 4 76.6 78.6 76.6 78.5 76.5 76 . 6 76.6 73. 74.5 79.6 78.6 31.00 11.3 79.6 5.4 72.8 75.7 77.4 79.3 80.0 85.1 67. 80.3 80.3 67.4 90.4 2J.4 87.4 2520| 11.6 2720| 11.7 1927| 11.7 1927| 11.7 76.6 77.2 77.3 77.1 73.5 74.4 83.5 aj. 9 81.3 81.4 51.6 91.6 31.6 11.7 51.7 21.7 81.7 91.7 , 5 82.6 92.6 93.1 67.5 2.5 81.5 73.8 75 • 7 76 • 7 82.3 97.5 92.6 F2.6 81.3 51.7 82.2 02.4 82.6 82.6 32.6 73.8 51.5 82.2 92.3 32.4 82.9 92.5 42.6 92.6 97.1 62.6 P 3 . 1 78.0 81.6 e 2. 0 92.7 84.0 93.0 A 3 . 1 8°.6 45.7 8.76 74.1 78.0 77.8 87.6 -2.6 84.6 55.1 85.5 45.6 95.7 A5.5 85.8 923[ 11.7 707[ 11.7 737[ 11.7 57.5 57.5 74.8 78.4 78.7 8... 63.3 84.2 3. 9 85. 2 85.0 45.5 6.4 65.9 67.2 68.7 45.9 46.1 45 • 1 97 • 9 95.2 56.2 87.9 ŭr 86.4 97.5 85.1 99.1 75.1 79.1 84.9 , F /un| 11.7 75.2 79.3 81.J 25.7 87. C 88.4 49.1 09.6 99.1 9" . . 90.3 90.4 90.7 91.7 90.8 1.01 11.7 75.3 75.3 75.3 82.3 92.5 87.3 87.3 97.2 91.0 97.6 93.1 93.4 93.5 13.4 96.2 F9.1 y1.7 41.9 93.3 93.4 19.7 19.7 4101 11.7 7031 11.7 35.3 96.0 97.2 91.4 93.3 93.3 24.4 95.2 95.4 95.7 95.7 92.3 91.7 91.3 69.1 94.2 96.0 96.5 76.9 28.7 1, 0 °2.5 91.4 96.5 46.9 1611 11.7 87. P2.5 92.0 98.8 99.3 91.6 77.3 10.1 11.7 15 75.3 19.1 92.6 95 . . 46.5 9.60 94.9 1 11.7 98.9 106.0 19.7 91.6

TOTAL WHATER OF OBSERVATIONS: -44

GETHAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF COCURRENCE OF CFILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

ATT WEATHER SERVICE/MAC

STATION NUMBER: 704096 STATION NAME: MCGUIRF AFE NU

PEPIOD OF PECOPD: 78-87 MONTH: FEE HOURS(LST): 1200-1400 CTILING IN | SE FEET | 10 VISIFILITY IN STATUTE MILES
SE SE GE GE CE
C 1 1/2 1 1/4 1 7/4 GE GF GE 5/8 1/2 c/16 174 NO CETE 1 3.6 44.7 46.2 46.2 46.3 46.3 45.3 40.5 46.3 46.3 46.3 40.3 46.3 46.3 46.3 GF 207001 9.6 GF 187031 9.7 GF 187031 9.7 GF 187001 9.8 GE 127001 9.8 56. Se. 1 54.5 56.7 56.1 56.1 56.1 56.1 56.1 56.1 56.1 55.1 56.1 55.1 56.1 55.0 56.5 56.5 56.5 46.6 56.6 56.9 56.6 56.6 56.9 56.6 56.6 56.6 56.6 56.6 56.6 56.6 56.5 6.62 56.6 55.2 56.5 56.7 56.7 56 .6 56 .9 56.5 56.6 56.6 56.6 56.6 56.6 56.9 56.9 56.9 56.9 56.9 56.9 56.7 56.9 56.9 65.8 57.3 57.3 15 10703| 9.8 05 9000| 9.6 05 8000| 11.5 61.0 67.1 66.7 59.2 50.3 61.0 61.U 61." 61.0 61.0 61.0 61.0 61.0 61.0 62.1 66.7 GF 50.3 64.7 61.7 61.9 62.1 66.7 62.1 62.1 62.1 62.1 62.1 62.1 62.1 62.1 66.7 66.7 66.7 9E 7'93| 11.2 68.2 65.8 67.6 67.8 68.2 68.2 69.3 6" LC| 11.2 1. 1 66.5 57.7 68.3 68.3 68.3 69.7 63.3 68.3 46.3 69.3 68.3 68.3 68.3 68.3 F 3.1 11.6 71.6 72.3 74.6 70.6 71.3 71.6 71.€ 71.6 72.8 74.5 71.6 71.6 £ 1. . 4 71.6 71.5 71.6 71.6 71.6 71.6 513.[ 11.6 45.3[ 11.6 4103[ 11.9 35.7[ 12.5 35.6[ 12.5 69.4 75.4 73.6 72.2 72.8 72.9 72.9 71.6 72.8 74.5 72.9 72.9 72.9 74.6 12.9 72.9 74.6 72.9 74.6 4. 2 74.6 74.6 78.6 79.1 77.2 76.0 78.1 78.1 78.1 78.1 78.1 70.1 78.1 78.1 76.2 81.3 81.3 01.9 A 1 . E 80.9 87.7 87.7 85.1 25 001 12.5 21 031 17.5 19 031 12.5 15 071 12.5 82.2 63.0 83.0 84.5 76.6 77.1 77.1 79.7 67.3 67.3 81.0 A2.3 62.3 82.5 02.5 F2.9 A2.9 92.9 P = . 9 A1.7 93.1 83.1 83.1 63.3 83.3 o3.3 83.7 83.7 83.7 83.7 83.7 93.7 H3.7 83.7 P 3 • 1 o 3 . 7 R3.7 81.2 92.7 78. 84.4 84 . 5 84.8 84.8 95.1 85.1 95.1 85.1 85.1 R5.1 86 .: 96.4 06.4 96.6 36.4 86.8 86.8 46.9 17.00| 17.5 900| 10.5 500| 12.5 48.9 88.9 8 R . 9 86.9 79.1 79.2 79.4 82.5 83.3 87.J :7.5 88.4 87.9 PP.9 68.8 9J.1 82.2 97.5 89.2 90.5 89.2 90.5 49.2 90.5 69.2 90.5 89.2 95.3 88.0 69.2 35.0 77.1 90.5 12.5 63.1 56.1 E 4 . 3 F 9 . 1 89.7 91. 91.6 91.6 91.6 91.6 91.6 91.6 74.4 63.7 40.5 08.9 55.6 92.0 12. 92.7 72.7 92.7 92.7 92.7 92.7 5 221 12.5 4221 12.5 1211 12.5 2021 12.5 97.3 95.0 79.6 84. 67.6 91.7 92.9 94.2 94.7 95.0 35.2 95.2 75.2 95.2 95.2 P7.9 87.9 79.7 94.4 92.3 94.2 35.5 95.6 96.7 96.6 90.6 76.7 96.7 96.7 96.7 96.7 92.7 76.6 98.1 98.9 98.5 98.5 67.5 9().9 94.4 94.0 99.5 92.7 ≎8.(. 98.7 97.6 99.6 46.7 46.4 1 12.0 7 . . 7 34.4 47.9 93.9 92.7 49.7 98.9 99.5 99.6 1C6.J 96.7 95.8

TOTAL GUMBER OF ORSERVATIONS:

CLEAR CLIMATCLOGY PRANCH AT ATTER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 704046 STATION NAME: MCGUIRE 4FB NJ

PERIOD OF FECORD: 78-87 MONTH: FER HOURS(LST): 15J0+1700 CEILING VISIPILITY IN STATUTE MILES IN I CE 6F 6E 6E 4 3 2 1/2 GE 1 GE GE GE 2 1 1/2 1 1/4 GF 578 GE 173 ςξ 5/16 GE 1/4 6€ 0 7/4 Was Call 1 7.4 44.3 45.3 45.9 45.9 45.5 45.9 45.0 45.9 4 . . . 45.9 45.9 af 201001 05 150001 05 16 201 06 147201 05 127201 5.1.7 6.1.7 6.2.7 52.2 52.2 52.2 57.7 57.7 57.2 9. 1 51.7 51.9 52.2 52.2 >2.2 52.2 52.7 52.2 52.2 9.1 51.7 51.9 52.2 52.2 52.2 52.2 52.2 52.2 52.2 52.2 52.2 52.2 52.2 52.2 52.2 52.2 9.1 51.7 71.7 50.5 12.0 51.8 53.0 52.u 53.2 52.4 53.5 52.4 53.5 52.4 52.4 9.1 52.4 52.4 52.4 52.4 52.4 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 57.5 56.2 F6.9 58.5 58.5 58.5 58.5 58.5 58.5 59.1 63.8 r, p . r, 50.5 54.5 58.5 FA.5 56.5 0. 97001 0.6 0E 67001 17.0 0E 7 001 17.6 F 7+4 42+3 5 ° .4 6 3 • 1 58.7 59.1 63.8 59.1 59.1 59.1 63.8 59.1 52.1 59.1 63.8 59.1 59.1 59.1 59.1 63.8 63.8 66.1 66.1 66.1 06.1 66.1 66.1 66.1 66.1 66.1 66.1 67.4 67.4 15.5 56.4 67.4 67.4 05 7767| 17.9 5 4503| 10.9 26 4 001 11.2 65 7100| 11.9 73.4 73.2 7.... 70.4 70.4 73.2 75.1 77.4 77.2 75.3 77.4 77.2 75.3 59.5 76.4 73.2 F 3 . 2 73.4 76.4 70.4 77.4 76.4 72.1 73.2 73.2 75.3 78.7 75.4 72.2 13.2 15.2 73.2 75.3 75.2 71.3 73.2 75.3 73.2 74.3 74.7 75.2 75 - 2 75.2 75.2 74.9 77.9 19.0 7 - . 4 18.1 74-6 75.6 78.7 79.7 79.7 78 - 7 78.7 70.7 82.2 52. Ú 22.4 02.2 F2.3 57.4 92.4 82.4 -2.4 82.4 , a 3. 5 e 3 • 3 83.6 63.6 84.0 F4.0 90.2 30.4 92.÷ 83.0 F 5 . 7 84.6 64.3 £4.8 84.9 85.0 95.5 95.1 85.7 85.1 05.5 6°.7 95.7 95.8 85.7 85.9 95.7 85.7 65.8 1,1 63.6 95.€ P5.8 -1-1 53.4 55. 9 e 7 . 1 97.1 87.1 P7.1 67.1 45.2 2 2 . 0 34.3 07.2 87.4 n7 . H P9.3 Es. 7 88.7 A6.7 80.7 86.7 11311 12.4 4.5 45.41 a F . 5 F4. R 48.0 93.4 H 4 . S 99.0 40.1 91.3 40.3 95.3 64.4 90.1 P. P. 12.4 7 1 12.4 97.4 90.9 90.9 93.4 3.4 FF. 7 9 G. J 93.5 MU . 5 89.1 £9.7 90.1 77.9 27.2 30.9 90.9 91.1 90.5 47.÷ 92.6 86.3 76.4 91.1 ×1.5 97.3 92.3 92.3 92.3 86.3 5-5-2 4 . . 7 91.0 93.4 72.4 93.4 02.0 75.4 95.4 7 (2) 17.4 4 (7) 12.4 7 (7) 12.4 7 (7) 17.4 1 (7) 17.4 75.5 86.7 18.7 13.3 92.2 93.1 96.7 97.3 25.2 91.1 91.4 91.6 93.3 94.4 97.3 47. 90.4 92.4 74.7 95. 1 96.0 97.3 97.3 98.3 97.3 97.3 3.1 98.6 ٠, ١ e7. 51.0 93.5 ,,,, 90.1 98.3 £7... 40.6 ra . 7 97., 42.6 +1.6 25.4 46. 97.5 98.8 JA . 7 29.3 99.4 99.5 .... .6. 92.1 14,4 100.0 .... 94.6 94.7 1 17.4 12.9 12.6 96.0 +3.€ 97., 90.6 SA.E 94.9 99.8 100.0

TOTAL NUMBER OF O SCHWATTONS:

SIDEAL CLIMATOLOGY ERANCH ESAFETAC AIR HEATHER SERVICEZMAC

# PERCENTAGE FRINCENCY OF GCCURPENCE OF CTILING VERSUS VISIBILITY FROM FOURLY OUSEPVALIONS

					CN NAME							HOWTH	: FEE		(LST):		
		• • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••
1		0.E	C§	C, E	υE	G E	65	SE	6 F	GF	GE	€.F	Gf	G€	6F	GE	CE
Fξ			ŧ	t	4		2 1/2		1 1/2		1	7/4	5/6	1/2	°/16	1/4	۵
• • •		• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	•• ••• • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••
N. (9. )	CEIL	۹,۴	10.1	50.1	50.5	50.7	۴.۵	50.9	53.9	ۍ ۵ و د	50.5	50.9	56.9	50.7	50.9	53.9	50.9
L.F	227231	7. 7	55.4	55.8	56.2	56.5	See E	56.7	56.7	56.7	r6.7	56.7	56.7	56.7	66.7	56.7	56.7
., F	18mud1	9.3	£ 5.4	55.8	55.1	56.5	56.€	56 . 7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
G.F	167001	٠,	55.4	55.8	' to a i	56.5	56.6	56.7	56.7	56.7	6.7	51.7	56.7	55.7	56.7	56.7	56.7
LE	14 271	7. ?	55.0	56.1	56.5	56.4	57. L	57.1	57.1	57.1	57.1	57.1	57.1	57.1	e 7 . 1	57.1	57.1
LΕ	127.001	9.3	56.0	56.4	Sb • 7	57.1	· 7.2	57.3	E 7 + 1	57.7	c 7 . 3	57.3	57.3	57.3	57.3	57.3	57.3
., r	125671	10.7	:1.1	61.7	12.2	62.5	64.6	62.8	67.8	62.8	42.8	67.5	62.5	62.4	62.8	62.8	62.6
; 7	95101	13.2	51.5	52.1	62.5	62.9	63. 5	6 ! . 1	63.1	03.1	13.1	6'.1	63.1	63.1	43.1	63.1	€3.1
i.l	1:031	10.5	65.€	65.7	66.2	66.5	6c. 7	65.7	€6. +	u6.8	66.8	66.8	56.8	65.9	66.8	66.8	66.8
ູເ	71 631	10.5	( . 5	56.3	6£ • 5	67.1	67.3	67.4	61.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
ωť	67001	1~. `	6 to 1	57.	67.5	t 8 • 1	€4.2	of . 3	64.3	6 F . 3	68.3	68.3	69.3	63.3	€6.3	68.3	68.3
. 5	6.021	10.6	56.4	69.7	75.2	70.A	70.5	71.7	71.5	11.0	71.7	71.7	71.5	71.0	71.0	71.0	71.0
t	41 . 1	11.5	77.6	72.6	73.0	77.6	73.8	72.5	73.9	73.9	73.5	77.9	73.4	73.9	73.9	73.9	73.9
. 1	47071	11.0	77.6	74.7	75 . 4	76.0	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
	21.01	11.7	74.5	77.5	7 t • 1	78.7	70.6	77.1	79.1	77.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
1. <b>f</b>	37 U.L.	11.5	77.3	87.1	61.0	61.6	61.7	81.9	41.9	61.9	01.9	6.7.	65.0	97.0	P2.0	82•O	62.0
	11011	11.5	76.5	51.7	82.5	37.1	93.2	6*.5	f 3 • t	87.6	#3.6	51.7	93.7	33.7	A 3 . 7	63.7	83.7
., :	17.71	11.0	79.1	67.4	23.3	e3.9	۵4. ل	84.7	54.4	64.4	24.4	84.5	04.5	84.5	24.5	84.5	24.5
., 4	1	11.0	79.4	82.9	\$ 2.7	64.3	- 4 . 4	84 . C	94.6	34.8	94.8	áu.9	F4.4	64.9	84.9	64.9	P4.9
., 1	11. 1	11.9		P 3 . u	F4 . 5	25.2	F 5. 3	85.6	45.7	05.7	25.7	P.C. B	85.8	85.9	95.8	35.8	85.0
. г	17671	11.5	- 7.4	6 3 et	94.5	£ 5. 6	85.8	86.1	F F, • 4'	06.2	P6 . 7	90	56.3	86.3	R6.3	ä6•3	86.3
•	11	1:.9	46	84.2°	45.2	86.2	° €. 4	86.6	57.3	n7."	97.1	67.2	97.2	97.4	97.4	67.4	87.4
of f	1 1		> ↑. 6	H4.6	s.c 7	£5.5	06.9	H7.1	P7.5	47.5	A7.6	8 7 . P	97.E	87.9	97.9	87.9	P7.9
	8 . * I	.1.7	41.4	85.2	r 5 . 4	r7.4	47. L	87.º	44. !	a 4 . 3	AB . 7	90.0	9.0	89.4	P9.4	89.4	89.4
. *	73.1	11.9	-1.h	85.0	F7.4	64 <b>.</b> 3	55.7	58.9	57.5	69.8	90.7	40.0	90.8	91.1	31.1	91.1	91.1
	65.1	11.9	11.5	66.2	F1.1	F H . 1	× G • 4	80.7	40. E	4^.F	91.4	91.8	91.8	95.5	92.2	92.2	92.2
v:		11.9	- 1 . F	86.7	h7.6	89.1	34.€	97.5	21.3	91.1	32.0	97.4	92.4	92.9	92.8	92.8	92.8
٠, ٢	0 51		21.5	56.5	Ft . 2	67.7	90.4	91.7	92.9	42.9	73.7	94.7	94.3	95.7	95.0	95.0	95.0
1.6	7011	11.5	-1.9	56.S	fo.j	90.0	93.4	42.1	94.1	44.7	95.6	25.6	95.6	96.5	96.5	96.5	96.5
. *	2.21		11.9	86.5	1000	40.1		32.1	94.3	14.4	75.5	44 5	96.5	97.8	98.2	98.5	98.9
: '	1. 1	::• 6	"1.5	56.5	* i + 3	50.1	41.L	72.3	94.3	,4.4	25.5	96.5	96.5	97.9	98.3	98.8	99.5
., 1	-1	11.9	-1.9	86.5	F6 . 3	97.1	94.0	92.1	94.3	94.4	95.5	96.5	96.5	97.9	98.3	98.9	196.6

TOTAL NUMBER OF OPSERVATIONS: 240

GLOBAL CLIMATOLOGY BRANCH USAFLTAC AIR WLATHER SERVICEZMAC

# PERCENTAGE FREQUENCY OF CCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOUGHLY OBSERVATIONS

-			774096				-	- · · · ·				MONTH		HOURS	(LS1): .		
	L 156			• • • • • • •	• • • • • • •	• • • • • • •			EILITY				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •
F 5	4   ET		6ł. 6	6 <i>E</i> 5	6.E 4		5 1/5 05	G E	GE	5F 1 1/4	GE 1	GE 774	Gf 5/9	6E 1/2	Gf 5/16	GE 1/4	GE O
	CEIL I		71.6	52.2	52.5	5.7.y	52.9	52.9	52.9	52.9	52.9	57.7	53.0	53.2	54.0	5 3 • 0	53.0
	201001 101011		56.4 56.6	56.7 57.5	57.3 57.4	57.6 57.6	57.6 57.8	57.6 57.5	57.6 57.6	57.6 57.8	57.6 57.8	5*.0	57.8	57.9	57.9	57.8	57.8
	16 00 1 16 00 1	10.7	56.6 57.2	57.0 57.0	57.4 57.2	57.3 58.3	57.8 58.3	57.9 58.2	57.8 58.3	57.A 57.A	57.6 58.3	57.9 57.9 50.5	57.9 57.9 58.5	57.9 57.9	67.9	57.9 57.9	57.9 57.9
	เลายาไ		57.5	58	5d • 3	58.7	5E. 7	59.7	5H.7	59.7	58.7	2.0	58.8	58.5 58.8	58.5 58.8	58.5 59.8	56.5 56.8
n.f.	15000	111.2	61.2	61.8 62.0	62.2	62.7 63.3	62.7 61.0	62.7	62.7 63.0	62.7	62.7 63.1	61.1	62.9 63.1	62.9	1.2.5 43.1	62.8 63.1	62.6 63.1
0.5 0.5	6763	11.6	54.5 55.0	65.3	65.H	66.3	66.3 67.2	66 · 3	67.2	66.3	66.3	66.4	66.4	67.3	66.4	66.4	66.4
ĽΕ		11.6	65.7	57.	67.5	68.3	£ £ . 3	60.3	64.3	68.3	69.3	60.4	68.4	69.4	68.4	68.4	66.4
ur ut		11.7	68.6	70.4 72.7	9 . ن 73 • 3	71.7 74.1	71.7 74.1	71.7	71.7 74.1	71.7	71.7 74.1	71.9	71.8 74.2	71.8 74.2	71.6 74.2	71.8 74.2	71.8 74.2
. € . 1 E	4 0.7	12.3	72.0	74.4	74 • H 76 • 3	75.6	75. b 79. ž	75 +6 79 -2	75.6	75.6	75.6 79.3	75.7	75 . 7 79 . 4	75.7 79.4	75.7 79.4	75.7	75.7 79.4
t. ÷.		12.5	76.3	79.9	80.6	82.1	02.1	82.2	92.4	02.4	02.4	82.5	92.5	82.5	62.5	52.5	A2.5
0.F		17.5   12.5	77.3 77.5	8⊓.9 81.∂	91.9 92.2	63.4 63.9	83.4 94.1	61.6 84.3	63.7 84.4	o 7 . 7	F3.7	87.F	31.8 84.5	83.8 84.5	P3.5	63.8 84.5	83.8 84.5
ŗ	1	12.5	77.9 76.3	\$1.5 92.1	42.6 83.6	84.3 65.3	64.5 #5.6	64.6 85.7	94.7	84.7	24.7 95.8	8°•9	P4.9	84.9	94.9 85.9	84.9 65.9	84.9 85.9
۰, ۲		12.5	74.7	82.3	24.3	86.2	26.4	86.5	35.7	of • 7	96.7	96.7	P6.9	96.7	86.9	86.9	FL.9
6.5 6.1		17.5	7â.∺ 79.3	93.2	89.7	86.6 67.1	at.9 F1.3	87.1 97.7	P7.3 P7.5	87.3 87.9	87.3 87.9	87.5 89.0	87.5 88.0	87.5 98.0	97.5 84.3	87.5 89.0	Р7.5 88.0
, r (, f	ا يال	17.F	77.6	54.5	85.7 85.2	87.7 88.2	84.U 86.6	68 • 5 89 • 2	59.2 93.4	99.2	49.2 70.7	80.2 90.0	99.3	89.3 90.8	99.3	89.3 90.8	89.3 90.8
i, r		12.0	76.9	é 4 • 5	46.2	F9.2	6 h. 6	89.2	63.4	90.5	93.6	an ā	90.9	93.9	63.9	97.0	96.9
g e G E		1 12.5	79.9 79.9	84.7 84.7	F6.4	68.5 68.6	R9.1	80.0 93.	91.1	91.2 92.7	91.5	91.6 91.0	91.6 93.D	91.6 93.1	71.6 93.1	91.6 93.1	91.6
u F	267	12.5   12.6	:3.3 =3.6	84.5 84.5	PL + b h( + b	69.3 89.5	93	91.2	94.7	94.7 95.1	75.0 96.3	95 • 1 96 • 6	95.1	95.4	95.6	99.1	95.9 98.6
5.5		17.5	90 <b>.</b> 0	H 4 . 4	oL . 5	6.5.2	≎(.3	91.F	94.6	,5.7	76.4	94.0	97.0	97.3	98.5	98.7	99.8
,, ,	•	17.8	****	34.4	FC.6	F9.5	40.3	91.9	94.8	¥5 + 3	76.4	36.0	97.0	97.9	98.5	98.7	100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC A 12 HEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CETAING VERSUS VISIBILITY FROM HOUSLY COSEPVATIONS

STATION RUPBER: CETUING IN   GE FEET   17		724096	STATI	3P44 40	: MC 643	IHE OF B	ИJ						ORD: 78			
		• • • • • •										: FEF		(LST):		
CEILING								PILITY								
		υľ	GE	GE	66	C.E.	GE	GF	GE	CE	SE	Gf	GE	Gf	GŁ	4E
*******		٤	·,	4				: 1/2			*/4	5/6	1/2	5/16	1/4	0
no cele i	c • tı	4 # . 5	49.4	49.8	50.2	50.2	50.0	E C . 3	50.3	ra•3	5~.3	50.3	57.3	50.3	50.3	50.3
a accest	9.7	74.5	5 6	*6.0	56.4	Ct. 5	56.€	56.6	56.6	c6.6	54. 7	56.7	56.7	c6.7	56.7	56.7
of left∩	c.7	5,4 • €	55.7	50	56.0	56.7	56.7	56.8	56.8	56 ⋅ €	56.0	56.8	56.9	56.9	56.9	56.9
cf 16°5″1	9.7	₹4.6	55.7	50.2	56 • 6	56.7	56.7	56.8	∍6 • ³	56.8	54.9	56.8	56.9	50.7	56.9	56.9
UF 141UT	9.7	٠4.9	56.	50 . 4	56 · A	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.2
or impact	3.0	•5.6	56.7	57.1	57.6	57.7	57.7	57.8	57.8	57.6	57.4	· 7 · 6	57.9	57.9	57.9	57.9
JF 101U01	13.1	50.2	63.4	51	61.4	61.5	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7
or 97631 .	13.1	5 9.6	6.7.0	61.4	61.9	ti. j	62.1	62.1	62.1	62.1	67.2	62.2	62.2	62.2	62.2	62.3
6f 81001	12.6	63.;	64.3	65 • •	t5.0	65.7	65 •₽	65.8	65.8	65.9	65.9	65.9	66.5	66.3	66.0	66.G
65 77571		44.1	65.6	66.4	67.	67.2	67.7	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4
61951	1 5. 9	44.0	56.3	67.1	67.1	C • 8 6	6ª • 1	68.1	68.1	68.1	60.2	6 R + 2	69.2	66.2	6 ª • 3	66.3
HE SOUTH	11.1	67.0	68.c	69.7	71.5	75.7	70.a	7.3.8	75.8	70.8	7~.9	73.9	71.2	71.0	71.0	71.0
17 45 . 6 1		9.1	71.7	72.0	72.7	73.1	73.2	73.3	72.3	73.3	77.4	73.4	73.5	73.5	73.5	73.5
or arout .		77.4	12.5	73.7	74.6	74.8	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.3	75.3
65 JAUJI	13.0	72.5	74.	74.04	77.2	71.5	77.7	77.7	17.7	77.8	17.8	77.9	79.0	78.3	78.0	70.3
30,001	17.1	74.3	77.1	78.5	74.5	F 5 . 1	80.3	7 3. 4	80.4	90.4	87.5	90.6	80.6	P0.6	60.6	P 0 . 7
CE 45431	1 7 . 1	15.2	78.2	79.7	81.1	81.4	61.6	21.7	01.7	61.8	81.7	82.0	82.3	e 2 • 3	82.2	H2.0
301		10.0	78.9	50.4	E 3 - 3	P 2 . 4	82.6	82.9	82.4	92.9	87."	P3.1	93.1	93.1	83.2	83.2
Cr 14731		15.9	72	h ) . u	67.1	٤ . 5	d 2 • F	03.C	53.7	c 3 • 1	87.2	P 3 . 3	83.3	03.3	03.3	63.4
11.1		70.6	79.7	61.4	H 3 . 1	23.5	83.3	64.5	84.1	94.2	84.3	A4.4	84.4	24.4	84.4	84.5
or izliti		70.9	4 C • .	01.9	6 1 . 8	P4.3	84.7	95.3	65.7	85.1	A c . ?	A5.3	85.4	95.4	85.4	85.4
SF 11601	12.3	*7.3	30.1	". • (·	54.6	45.2	85.7	46.2	06.7	26.5	84.6	66.7	86.0	5 · 0 a	66.8	86.8
35 95.1		-7.7	61.2	3.2	85.2	- 5 • à	86.4	86.9	67.7	57.2	67.5	87.5	87.6	97.6	67.6	87.7
10		7.5	41.7	63.4	86.3	H 6. 7	37.4	23.1	38.2	38.5	nº . 7	98 • 8	89.0	89.0	89.0	P9.1
71		79.1	H 2 • 2	44.4	65.0	# 7 · 5	40	89.1	89.2	9.6	92.2	89.g	90.1	93.2	90.2	90.2
ar kiri.		74.1	82.3	.4.5	66.7	£ 7. 9	g p . a	99.7	09.9	93.3	97.6	93.7	97.7	71.0	91.0	91.1
of 1001	12.3	74	52.4	A4.3	87.5	° 6 • 7	87.5	71.9	91.1	91.5	97.5	22.2	92.6	92.1	92.7	92.7
0F 4 31		7 1 . 3	67.6	85.3	e 8 . 1	14.4	90.0	7:.3	12.6	23.4	97.9	93.9	74.4	04.5	94.5	54.7
10.1		75.3	62.7	2, 3	64.	26.0	91	93.1	93.6	24 . 6	9 ( , )	95.4	75.9	90.1	96.2	96.4
331		7 1 . 3	32.7	- J - J	68.4	4.5	91.7	73.5	93.9	95.1	94.	96.2	97.1	77.6	97.9	98.4
D 1551		76.3	62.7	69.4	d . 4	7.7	91.5	93.5	,4.	95.2	96.1	76.3	97.3	97.9	98.5	39.7
wr "1	10.3	74.3	52.7	55 • <b>4</b>	90.4	96.9	¥1.a	53.5	.4.7	96.2	96.1	26.3	97.3	97.9	98.5	120.0

TOTAL NUMBER OF OFSERVATIONS: 6767

JOSECTAC CLIMATOLOGY BRANCH

#### PERCENTAGE FREQUENCY OF OCCURACING OF CREETING VERSUS VISIBILITY FROM FOURLY AUGERVATIONS

ATE WEATHER SERVICE/MAC

PERIOD OF RECORD: 78-87 STATION NUMBER: 124095 STATION NAME: MCGUIRE AFR NJ MONTH: MAR #3UPS(LST1: 0330-0200 CHILING VISIFILITY IN STATUTE MILES 01: 6E 1 IN 1 FLET 1 65 ac 36 3F 6E 2 1 1/4 GF ūΕ 5/8 1/2 5/16 1/4 NO CETE 1 7.3 -1.1 57.7 52.7 e 2 . 1 52.2 52.7 52.7 52.7 52.7 52.1 52.7 52.7 52.7 52.7 5F 200401 3.7 £ 5 . . . 57.5 57.9 € 7 • d 5 7 . H 57.4 47.3 57. 6 57.9 57.9 £7.6 57.4 57.8 57.8 57.8 05 181001 8.7 05 16 001 9.7 65 147001 9.7 57 · s 57 · s 57.3 57.3 57.1 57.6 57.8 -6.3 57.3 57.5 57.6 57.9 51.4 1.4 ,7.9 -7.8 57.A 57.A 51.a 57.8 57.8 57.8 57.8 57.8 57.8 57.4 57.8 57.8 57.€ 57.8 50.3 56.1 57.8 57.6 57.4 57.8 51.4 57. E 57.4 57.3 57.8 08 1.7321 08 9.001 08 9.001 05 7.001 06 40.001 61.0 67.0 64.6 65.9 a . 7 c. , , 1 67.0 (1.2 61.2 61.2 61.7 61.2 41.2 41.2 61.2 01.2 61.2 61.2 42.6 51.5 54.1 55.3 02.0 04.5 05.4 68.0 64.6 45.8 52 • U 64 • 6 64.0 62.5 64.6 62.7 64.6 52.3 54.6 62.J 64.6 62.0 62.0 64.6 67.0 64.6 9.1 67.2 55.4 65.4 05.8 55. -45.9 65.9 65.3 65.8 1.5.2 56.7 67.2 67.2 57.2 u7. 67.7 67.2 67.2 61.2 67.2 67.2 £1.2 67.2 5727| 9.5 4523| 10.7 4500| 10.5 3577| 10.5 73.8 73.8 75.6 79.1 4.3.5 72.3 74.5 77.3 71.08 17.9 12.5 10.3 75.4 77.9 7.3.8 7...6 77.3 75.5 79.3 7° .6 7° .1 81.7 75.6 79.1 81.7 72.8 74.5 76.5 75.6 75.6 79.1 75 - 3 75. E 75.6 75.5 75.5 75.6 75.6 78.1 74.1 76.1 P1.7 71.7 78.1 74.1 79.1 77.4 61.5 91.7 91.7 #1.7 41. . 81.7 51.7 4 3.5 83.5 05.5 65.1 27304 17.6 7.74 10.6 19.34 17.6 19.34 17.6 15.3 61.9 15.9 11.1 34.1 46.3 36.6 15.6 37. E Ţ, P7.3 85.7 85.9 87.4 97.7 -1.4 94.5 94.5 67.1 67.1 37.3 87.3 17.7 67.7 A7.3 97.3 97.3 d 7.3 97.3 07.3 F7.3 90.0 91.0 54.9 50.3 - 7 - 6 n7 . p 88.7 05.7 40.7 49.0 84.7 99.3 9 A . 1 48.0 98. 49.7 99.7 P6.7 17.01 .0.6 % 01.13.6 ~031.10.6 7011.10.6 6031.10.6 -2.6 56.0 56.7 86.3 P.6 - 6 B 7 . " , . . . 5 7 . . 29.2 37.7 99.7 67.2 99.2 19.2 A9.2 58.5 97.4 97.5 90.L 91.0 91.6 -3.1 61.7 F4.6 69.F 90.0 41.0 91.7 97.3 97.3 93.3 97.C 91.0 92.5 6505 46.4 -4.4 7:.4 91.6 4 6. 3 56. 49.3 71.0 21.3 71.2 92.5 42. 92.6 92.6 92.1 72.7 92.7 92.7 N 13.7 4.11 17.6 1.31 12.6 54.7 95.5 97.1 97.3 87.2 87.3 37.6 92.4 92.7 93.4 91.4 42.9 43.4 94.7 94.7 96.1 H.1 15.1 15.9 77.5 75.7 75.2 75.7 97.6 95.2 96.7 97.7 98.8 25.3 94. 1 95.2 45.3 95.3 4 5 . 5 5 4 36.3 76.1 90.1 96.1 96.1 34.2 97.7 78 - 1 99 - 7 98.2 99.C 98.2 , * . 6 . 3. 7 40.4 28.7 4 3 . 7 37 ... 93.4 92.1 1 22.0 17.5

TOTAL NUMBER OF DESTRUATION : 335

GLOWAL CLIMATOLOGY BRANCH USAFLTAC AIR WLATFER SERVICEZMAC

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CFIEING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION N	IUMBER:	724096	STATI	Ch NAME:	MC GU	IRE AFB	NJ				EF.100	OF PEC	0 FU: 78	- 8 7		
											MONTH	: MAF	43088	(LST):	U300-05	CC
	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	•••••						• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • •
I ILIY				. <b>.</b>	<b>6</b> 1				IN STATE							_
	GE		e E	GE 4		60	C F	G.F.	61	GE.	U.E	GE	G E	GΕ	68	υE
FEET [	17	ь	5			2 1/2			1 1/4	1	7/4	5/8	1/2	5/16	1/4	5
	• • • • • •	• • • • • • •											• • • • • •	• • • • • • •	• • • • • • •	
NO CETE 1	7.5	47.4	43.5	49.1	49.5	49.5	49.8	49.9	49.9	45.5	47.9	49.9	47.9	49.9	49.9	45.9
					,											
u.c. 200001	7.4	52.0	53.2	54 - 1	54.4	54.4	54.7	54.6	54.4	54.8	54.2	54.8	54.8	E 4 . H	54.8	54.8
JF 187001		5.2 • 0	53.2	54 · 1	54.4	54.4	54.7	54.8	54.8	" 4 . F	54.0	54.8	54.2	* 4 . B	54.8	54.6
CT 161 J21	A . 4	5.3.0	53.2	54 - 1	54.4	54.4	54.7	54.8	54.7	F 4 . F	54.9	54.8	54.9	< 4 . H	54.8	54.8
95 147021		52.3	57.4	F4 . 3	54.6	54.6	54.4	55.1	5 4 • 1	5.1	55.1	55.1	55.1	55.1	55.1	55.1
tar 120001	2.4	· · · 1	54.7	55 · 4	55.5	55.5	55.5	55.4	2 € • ♀	15.4	50.0	55.9	55.9	15.9	55.9	6.5.5
1,763		C 14 . Q	56.1	57 • 1	57.4	7.4	57.7	57.8	57.9	57.E	57.0	57.8	51.3	57.0	57.8	57.6
U.S. 5 (20)		6.6	57.4	56 · 4	58.7	56.7	20.3	59.1	59.1	69.1	57.1	59.1	59.1	1.6	59.1	59.1
A . ^}		1.6	67.1	61.1	£1.4	£1.4	61.7	61.8	01.R	61.5	61.3	61.8	61.9	61.8	61.8	61.F
- 01 - 7 - 21 - 21 - 670 (1		7.8	61.1	62 63	62.4	62.4 63.3	67.7	62.4 63.5	62.4 63.4	62.F	67.9	62.8 63.8	62.8 63.8	62.8 63.8	62.8 63.8	63.6
6 0 1		6 74 5	62.	(1)	63.3	6 2 • 3	63.7	(3.3 • 3	0 ) • ~	5 3 • C	5	0116	63.0	n > + 6	0 ) • 6	6 2 • 6
9.5.1	9.4	t 4. 9	66.7	66 <b>-</b> J	68.3	( F . 3	64.6	68.7	68.7	69.7	60.7	69.7	63.7	15.7	64.7	66.7
	1 3 7	3,4	77.3	73.5	73.9	74.2	74.3	74.4	74.4	74 -	74.5	74.5	74.5	74.5	74.5	74.6
. J∤ 418mi		-1.2	73.3	74 . h	75.3	75.4	75.7	75.8	75.0	75.4	75.0	75.9	75.9	75.9	75.9	76.3
25.00		73.2	15.4	77.1	17.5	77.6	74.0	78.1	12.1	79.7	72.7	73.2	78.2	*8.2	74.2	78.3
1 11 0.01	10.5	11.6	36.1	e 1 . e	F2.4	r 5	6.7	2.7.6	52.7	93.:	ಕ <b>ೇ</b> ೧	ى . 3 a	33.3	P3.3	e 3 • O	#3·1
. C. 21.71		75.5	- 1.5	F 5 + 5	04.2	-4.4	H4 . 7	. 4	34.7	ar . 1	H.S 1	• 5 • 1	55.1	1. د ۵	85.1	85.2
(F) (1)	1.745	* 7 . 2	57.6	54.7	A CaS	65.7	F6 . 7	*e • 1	46.0	95 . !	60.0	#6 <b>-</b> 3	86.3	P 5 . 3	H6.3	A6.5
11 11 1		79.4	47.7	F4 . 5	F 5 + 6	とう・ち	St . 1	* 5 • 7	►( • *	06 · c	M f . 5	-6.5	86.5	p 6 • 5	b6.5	ft.b
150		* (	c.'•'	5 · · 3	n6	2000	H4, .0	~6.1	24.	36.4	40.0	46.3	46.0	46.3	86.9	F 7 • Ü
	17.5	• 1	87.4		0 f. • 1	عويه تو	47.	37.3	77.4	37.5	47.5	47.5	37.5	° 7 • 5	87.5	E 7.6
1 1 21					_	_					ua_r					
		• •			07.4	٠ 7 ، د	. 44	28.€3	0".	49.€ 1.44	46.6	88.5 88.6	59.5 89.9	98.5 88.8	69.5 69.8	F6.6
	1		# H 4	11.1	67.7 68.7	ا مال دام وا	# € . ₹ # 9 . ₹	5 4 5 5	3 · · ·		42.4	P 9 . 3	87.A	89.5	89.8	69.9
	1 1 7 . 1		65.1	r.c. 4		***	* 1 • 1			30.€	97.6	93.6	91.6	20.6	97.6	90.6
		:	6 T	0 - • 5	٠, ٠	10.0	91	.1.7	,1.2	72.1	12.3	32.2	32.2	92.2	92.2	92.3
•	• • •	. • 1	7. ** •	65		10.	• • •	*** '	,,,,	***	*. •.	*	• . • .		7.7.4.6	, , , ,
	1 1 1.5	1.9	67.5	6,	41.6	2	92.4		94.0	34.	64.	94.2	94.2	94.2	94.2	94.3
4.5	1 1	-1.9	21.5		42.7	6 3 3	74	24.7			, , , 6	35.6	95.6	95.0	95.6	95.7
	17.5	11.4	H / . 6	9.	4, 7.	12.6	95	44.8	16.3	26.4	27. 1	27.0	97.2	97.2	97.3	97.4
	10.5	1.5	66.7	92	91.	144	4		+7.1	97.1	7	91.7	96.3	95.3	90.5	98.8
1 1	1 1 1.5	1. 7	56.7		9.1	1.4.0	91.4	41.4 1	, 7 . 1	57.5	\$1.1	97.7	78.3	98.5	98.9	99.7
	1 17.5	-1.9	41.7	91.4	93.0	44,0	95.6	10.0		+7.5	7.7	97.7	<b>3₽.</b> 3	98.5	98.9	100.0

FIRE BUMBER OF OFFRWATIONS - Can

# DISSERT CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCUMPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS ATT MEATHER SERVICEMPAC

TATION NO	MHERI	7-4691	21111	Ch WAME	: PC 60	IR L AFH	41 J				PETION HONTH	UF REC		-67 (LS11: 1	u6J0-08	cc
FILING	• • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••	u t c 1	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	IN STATE			• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •
IN   FEET	17	ĠE E	of ,	UF 4	3	6E 2 1/ L	3.0	1 17 C	6£ 1 1/4	GF L	r E 7/4	6f 578	6 E	6E 116	GE 1/4	U€ U
• • • • • • • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •
2 CETE 1		44.3	41.3	46.0	47.4	47.5	47.4	40.0	45.7	49.7	44.1	40.3	49.5	40.3	49.3	48.5
r 2016.1	۹.:	49.7	50.9	51.2	52.0	52.5	52.8	وين	5.09	63.1	57.2	53.2	53.2	13.2	57.2	53.4
130161	5.1	49.7	50.0	1.4	52.0	1	50 .F	52.9	52.4	73.1	5 2 . 2	53.2	53.2	53.2	53.2	13.4
1 (0.1)	6.1	47.7	50.9	41.2	52.0	52.5	52.8	12.4	22.2	r 3 • 1	5	53.2	51.2	13.2	51.2	53.4
1 14 0 1	c . 1	49.0	51.0	11.3	52.2	42.6	52.0	53.0	53.5	13.2	57.1	43.3	53.3	53.3	53.3	53.5
r ii.	٥.1	3.6	51.4	64.3	57.1	53.5	53.7	54.6	54.7	14.2	54.3	54.3	54.3	4.3	54.3	54.5
105.00	4.5	64.1	5, 5, 6,	(1, . 5	56.7	57.1	57.4	57.5	57.5	r 7 . 7	57.4	57.E	57.A	f 7.5	50.€	56.2
1 4m H	2 . f,	14.9	56.3	* 6 . 7	57.5	56	58.3	.3.4	9 H . 4	rB•€	50.7	58.7	59.7	c h . 7	59.8	59.0
4 6 5		1 F. C	67.2	67.5	01.4	61.6	63.5	62.4	62.4	62.6	67.7	62.7	62.7	62.7	62.8	63.0
1.00	7.6	6.1.0	61.7	6	63.2	63.4	67.0	1.4	64.0	14.2	64. 2	64.3	64.3	64.3	64.4	64.6
إدراه	3.6	1 1.0	62.5	62.9	63.0	64.2	ŭ4.5	44.7	64.7	44.5	05.1	65 • 1	65.1	15.1	65.2	65.4
	9.9	63.2	55.3	10.1	67.	67.4	67.7	bd.	64.7	68.2	69.3	69.3	69.3	f h = 3	£₽ <b>.</b> 4	66.6
4	9.4	5 ,	70.1	-1.0	71.3	72.3	72.6	72.1	12.5	73.5	77.1	13.1	73.1	73.1	73.2	73.5
41,01	7.6	69.8	72.	71.0	74.3	74.4	74.7	74.9	74.7	75.2	75.5	75.3	75.5	75.3	75.4	75.7
1 25 24	2.1	71.5	74.	14.7	75.9	76.5	76.2	77.0	77. ^	77.2	77.3	77.3	77.3	77.3	77.4	77.7
77 671	7. 7	, 5.0	17.	1000	17.2	79.6	80.1	# 1x 1	o 0 <b>. 4</b>	PD.6	6°•ª	°9.5	93.8	P0.5	87.9	F1.2
	. ,	15.4	10.5	1	81.2	-1.7	b	92.3	02.4	P 2 . 6	67.7	+2.7	42.7	P2.7	82.8	63.1
<ol> <li>11.</li> </ol>	• • •	*C.2	79.7	□ 1 • 1	F 7 . 4	F 2 . 9	5 7 · c	F 3. H	93.9	24.1	84.7	04.2	84.2	P4.2	84.3	F4.6
·	:, 7	76.45	19.4	-:	02.E	F 7. 2	87.Q	n4 • 1	84.7	94.4	44.5	£4.5	84.5	04.5	14.6	P4.9
<ul> <li>19 at 1.</li> </ul>	1. · 7	17.4	n1.2	47.45	a 7 . 5	64.5	05.7	45.0	86.	86.2	96.3	A6.3	86.3	a6.3	86.5	86.8
1 11	٠.,	11.0	41.7	73.5	n4.6	45.3	46 •€	-5.1	50 × 5	P7.3	87.1	57.1	87.1	97.1	87.2	P 7 . 5
· i I	5.7		9.7	e 5 . ,	2.5.3	F 6	37.5	41.7	87.0	28.2	HP.4	a 9 . u	é 4 . 4	98.4	88.5	85.0
5 - Fig. 1	. ,	24.2	47.3	~4.1	15.0	F 6 . 5	89.0	69.2	a+ )	" " • C		ēē.O	0.9	0 2 . 9	0,4,0	66.3
	1.5	7 4	37.00	64.5	r6.1	67.2	38 . T	40.0	01.	43.4	A ~ 6	84.6	47.7	A4.7	B. P A	9 L . 1
	2.5	14	# J • 1	£4.5	16.0	د ه ه ع	87.5	59.7	87.9	3C - 1	97.1	90.3	93.4	73.4	93.5	96.9
:	•• •		n '.4	95.5	63.5	49.2	91.0	91.4	+1 • °	91.P	¥7.7	92.3	9.7 • 4	92.4	92.5	92.5
1	٠	7 .4	₩ tj., u	٠., -	e?.5	26.5	92.6	93.1	+3.2	23.5	44."	24.3	94.2	\$4.2	94.3	44.6
1 4 11	9 . A	1 4	H 9 . 9	21.3	٤٥.6	41.4	97.5	43.4	+4 - 1	34.€	7.	95.2	95.4	95.4	95.5	95.6
: 1 1		· ; .	04 .f	11.	47.5	92.2	94 . "	75.2	y C . 14	56.8	97.1	97.1	47.3	97.3	97.7	98.1
1	1.00		m 4 .t	41.2	97.5	42.2	94.5	1000	11.6	16.7	y * . S	97.6	** 1	94.4	98.9	99.5
· : : : i	• • "	17.	H 4 a ()	+1.2	90.5	95.2	94.5	** b • •	***	35.7	97.5	77.6	₹9.1	98.2	99.0	99.6
	G . 6	74.	99.0	97.2	97.5	92.2	94.5	Vn. 2	.5.5	21.7	97.0	37.6	93.1	94.2	99.0	100.0

TOTAL NUMBER OF OUR RESIDENCE 937

GEDEAL CLIMATOLOGY PRANCH ATH MEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIPILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 7:4296 STATION NAME: MOGUIRE AFB NU

PEPIOD OF PECORD: 78-87 MONTH: MAR HOURS(LST): 09JD-11C6 CT 11 146 VISIPILITY IN STATUTE MILES 6F 61 0F 6E 0I 0F 6F 4/2 19 | GL FEET | 1 0E 05 0E 04 1 1/4 G E 1 G Ł . \9 GE UE 1/2 °/16 GF 1/4 ur J FEET | 10 6 , 4 3 2 1/2 2 1 1/2 1 1/4 3/4 NO CETE 1 17.2 47.2 45.6 49.1 44.4 44.1 43.1 48.1 48.1 40.1 05 23000 | 11.2 00 18000 | 11.2 05 16.30 | 11.2 05 14000 | 11.2 52.6 52.8 52.8 53.1 5.3.0 -4.1 54.1 4 - 1 54.1 54.1 54. 3 5 . 4 4.3 54.7 54.2 54.3 ٠4. 2 54. 54.3 54.3 54.3 5.4.3 54.3 5 3 . 4 54.2 54.3 °4.3 54.5 ٠4.5 54. 1 54.3 44.5 54.5 F 4 . f 53.~ 64.5 54.5 54.6 55.3 54.6 .... 44.6 54.4 54.6 54.6 54.6 C 44 . .. 55.3 55. 55.3 55.3 57.2 54.5 62.4 68 1000TE 57.1 53.2 54.5 62.5 64.3 58.2 64.5 62.5 53.2 93.2 55.2 66.3 50. 64.2 ٠... 58.2 7.0 9030| 11.5 a.u0| 11.5 57.6 61.3 63.1 52.5 64.4 59.5 59.5 54.5 62.1 94.5 5.q . 4. 6.2 . 5 6° 5 0.5 64.5 £ 4 . 5 6..5 f . . . 71301 12.3 62.5 64.7 64.1 64.3 64. ! 64.3 64.3 65.3 55.5 64.5 D . . . (5.6 50001 12.0 45001 12.8 40001 12.9 35 31 17.1 3001 13.0 57.7 77.1 75.2 6 '. ' 7 '. ' 1' . ' (5.4 67.6 61.7 72.1 75.7 67.7 51.7 72.3 75.9 61.1 12.5 15.9 67.7 72.3 75.9 76.8 6.7 . 4 67.7 67.7 72.3 56.6 57.6 67.7 63.9 72.3 74.5 77.5 72.3 75.4 75.9 11 10.5 13.1 12.2 17.2 ,,,, 71.7 75.7 75.0 5 ( 75.3 75. 4 75.4 76.1 10.1 70.2 78.4 73. -72. 79.6 79.6 74.5 74.4 7 . . . 81.c 81.4 25 20 | 17.2 27 32 | 17.2 18.2 | 17.2 17.4 | 17.2 57.7 57.9 31.2 01.2 8 2 . 4 41.4 27.7 92.3 83.1 43.4 03.4 . T.4 95.4 73.5 64.4 P3.2 A4 .4 54.3 F4.3 -4.2 -4.5 84.4 44.4 54.7 ν4.4 «4.7 44. -4.4 -4.7 94.4 P4.7 84.4 54.7 #4.4 F4.7 63.5 n4 • 7 . . . 7 44... 33.1 e . . 2 44. • 1 ch.1 -6.5 -7.8 91.a 95.9 94.8 06.4 16.8 44.3 14.3 90.2 22.2 60.2 7.0 1.1 14.5 33.1 . . . . ~ -- --63.0 . u . c 49.5 49.5 P9.5 84.5 35.2 55.2 9".6 41.5 92.3 93.6 *1.1 97.5 -1.7 #9.1 91.1 92.3 91.2 92.2 93.8 65.4 11.9 11.1 41.2 91.2 91.2 42.0 *1.5 54.7 92.1 ¥1.. 13. 3 93.8 22.1 49.0 91.7 22.8 75.4 2.7 #3.4 2.5 2.6 96.2 91.5 j 5. "4 15.07 17.07 17.03 39. 49.5 .4. i. 10.7 36.1 96.7 ¥7.1 27.1 47.1 97.1 15.3 92. 1 96.0 99.1 +... 13.5 11.0 11.5 77.5 14.7 28.1 94.1 46.3 93.7 .4.0 46.4 21.1 +0.1 94.1 94.6 26.7 ₹8.7 96.7 .4.7 46.0 94.7 .7.7 38.4 94.7 19.6 94.7 99.8 94. 100.0 100.0 56. 11 12.7 - - 1.6 9000 47. 34.7 100.0 176.0

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5 18 34 1 1 + F	-4.5	10.5	77.1	77.4	77.4	17.0	77. 1.	11.1	11.6	7	7.7	11.5	11.0	17.6	77.6
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1 1 1	11.5		-1 - 1	9.94	٠. د	• 7 • 1	+7.6	**•1	5 to 1	• • •	34.7	33.	2.0	49.5	39.5
1		17.	1.1	,4.	· • t	• * * * *	. 1	***	38.8	• • • •	74.9	10.6	50.5	130.0	173.0
1 - 1 - 9	- 5.5	5 7 ·	• • • • •	6 W	· · · · · · ·	, , , ,	. /	*** '	26.1	• * • *	64.2	***	99.5	1.7.0	1.0.0
11.47.4		, 7.	~1	44.			. 7 . "		'. Q . H		5H,4	22.5	74.5	100.0	100.6

A STALL SUMPLES OF DESIGNATION LOSS FOR

GLI-AL CLIMATOLOGY RRAICH - USAFETAC

# PERCENTAGE FRIQUENCY OF UCCURRENCE OF CEILING VERSUS VICTAILITY

ATH MEATHER SERVICE/MAC

STATION NUMBER: 174040 STATION NAME: MODULE: AFE NU CARLING VISIBILITY IN STATUTE MILES Li 11.125 VISIFICATE IN STATE
of GF GC SC SF GC
4 3 2 4/4 1 1 1/2 1 1/4 THE TOTAL GF C 7/4 1/16 1/4 . . 5/0 1/2 51.6 57.4 57.4 57.4 -1.1 ... c1.6 51.6 51.6 >1.4 11." 11.6 51.6 ^r. 1 • 6 51.6 1 15 01 11.6 5 16 07 11.7 52.3 57.4 57.7 57.2 52.4 -2.4 -3.4 32.5 37.4 37.4 37.7 52.3 52.4 51.7 42.3 42.4 52.7 52.3 52.4 57.6 47.7 52.3 52.4 52.4 53.7 12.4 52.4 52.4 52.4 53.4 52.3 52.4 53.4 53.4 53.5 52.4 52.4 52.8 51.3 11.7 52.3 12.2 5...4 5.2.A 5. . 4 5. . 7 5. . 2 5 * . * 5 * . * 6 * . * C 5 • 1 57.4 57.4 57.5 54.8 ... £7. 57.5 57.5 · 7.0 1.5 1 6 . 4 5.7. s 51. 17.7 6.7.4 6.4.3 57.5 67.5 64.4 62.5 57.5 52.5 54.4 57.5 9.E 1.3 17.4 57.4 57.4 17., 67.5 . . . 14.3 62.6 4.2 et 12.5 66.6 52.6 6.4 . 4 . 4 . 4 54.4 64.4 ... 14.3 5 * • " 7 ` • • 7 • • 1 1 - .. 1 - . . 1 1 - . . 18.2 12.3 17.3 €9+2 71+9 77+3 11.74 12.3 1, ... 1 . . . . 64. , a . · 6002 17. ;;.: 77.3 11.9 4 (1) 17.4 4 (1) 17.5 7 (1) 17.4 7 (2) 17.4 , , , , 13.4 11.5 76.6 76.8 71.0 *1.4 -1.4 - 3 - 4 91.4 21.4 -1. 61.5 41.5 -1.6 41.6 ×1.6 -1.0 41.174 61. 1:.1 ... . . . 3 , · . · 44, -... 14.5 74.1 r . . 5 j. C. . 2 45.4 44.3 :.. 4.4 1 111 - 4 . t *6.0 C -1.0 Z -1.1 45.5 9 19 4 7 9 6 4 7 1.4 25.0 4. . . 44.5 ...1 ло. : нг.: 31... ..... 55.7 ... 11 19 4 143 11 3 4 3 + + ¹, Fe . 1 41.5 A : . 7 B4.7 •1.0 •1.7 1 1 1 1 . . . . . . . . ٠. . 3 C . 1 41. .... 40.0 90.9 -1.7 91.7 -2.5 94.1 11.4 91.7 1 1 1 1 1.5 1. 91.7 . . . . - 1 -, , 41.4 .... • • ; 1.7 .... 4.1.4 74.1 :4.1 95.4 41.t .,.. , a , 4 - , , 4 - , , 98... 24... 4. . . . . . .4. 11.1 ... 13.1 +4.7 98.7 ... 40.1 .... . - . 1 . 5 . 3 ac. . 1 .... .... . . . . . . 24.5 43,E 9 . . . . . . 44. · • 5 . - . . .... . 4 . -. . . . 1 11.0 4.5 41.7 Sec. 3 . 20 . 1 .7.7 %... 3... 99.9 170.0 11.4 99.6 . . . . ... . . . . . 4- - -

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MEMBAL CLIMATOLOGY BRANCH LIMATERAC

#### PENCENTAGE FREQUENCY OF OCCURPLING OF CLIFTING ALWENZA ATTIETETAL FROM FOUGLA 0021-241-11042

ATH MEATHER STRVICT/MAC

LITATION NUMBER: TOUCHE STATION NAME: MCCUIRE AFR NU PECIOD OF PECOPD: 76-87 MONTH: MAR HOURS(LST): 1800-2000 CFILING
IN 1 SE
FEET 1 10 5t 7/4 1/16 5/8 1/2 1/4 .......... *) Ci!L 1 0.6 44.6 07 007 01 17.4 67 18 171 17.4 67 1670 1 17.4 66 447071 17.4 7 10.001 17.4 4 4 4 e, i, ... Q c **c, .**..., 50.0 55.7 55.9 95.4 55.4 c 4, . 4 £ 1, 2 44.4 ن ⊾ه ۲ 56.7 • 0 • 3 56.0 55.9 55.9 56.6 56.1 6.1 6.1 56.1 56.1 6.0 55.4 55.6 55.0 • 5. ) 55.7 56.7 56.2 56.9 45. 95.5 1.5.7 • 6 - 5 56.0 56.1 54.2 56.9 56.2 56.1 66.1 56.1 60.1 t * o * t55. m 57. 7 1, 7. 67.7 57.7 1.7 - 7 . 7 . 7 57.7 4.7.9 1 10 01 17.5 1 9 27 17.9 1 17.0 1 11.4 1 7 371 41.7 6 7 . t 61.5 61.5 76.7 60.7 t 0.0 6. . . 61. 61." .1.0 01. 11.5 61.7 61.0 61.1 61.1 61.1 €1.1 61.5 63.5 64.5 64.5 51.2 54.3 54.3 19.7 61.0 61.5 51.5 56.7 60.7 61.5 65.7 68.7 51.5 65.9 69.9 66.P 68.P 11.5 61.5 66.7 61.6 61.6 66.7 68.7 67.7 63.7 69.7 ...7 60.5 66.0 69. 64.2 * 3.2 * 3.5 * 5.9 * 3.7 .1 11.7 11.0 71.7 *1.7 11.7 71.7 71.7 71.9 75.4 75.4 57.3 7° .4 79.4 52.7 75.4 79.4 43.7 75.4 15.4 5.1 75.7 77.~ 75 + 4 15. E 75. 4 75.F 75.2 75.6 74.4 75.9 78.5 15.5 15.9 78.5 75.9 78.5 62.3 94.6 3 7 . 3 4 n . 4 H7.4 81.6 42.5 ...3 # 2 **.** 3 52.4 42.4 P 2 . 4 44.7 . 4. 7 F4.4 . 4 . 6 7 17.4 1 17.7 2 1 27.5 1 1 17.7 1 1 17.7 40.6 μς, , , ٠., 47.00 R5.6 5. 6 # 4 . b 04.7 +4.7 F5.1 + 4 . 0 65.4 35.5 4 . . 6. 0 5 . 4 45.4 45.4 64.7 94.4 H7.7 £6.5 36.7 16.9 47.1 87.1 96.4 F0.9 ( i 1 ٠. . . -6.5 r6.8 16.7 R6 . 7 44.7 46.4 P6. H 15.5 96.5 -7.1 66.5 67.3 35.5 67.2 45.3 86.9 h6. + 46. 3 £7.3 . . . . .7. 1 # 7 . 1 = 7 . 7 = 7 . 1 9'.1 91.7 91.3 9 3 6 6 9 1 . 4 4 7 . 7 • 7 . 6 47.2 . - 1 1345 900 **.** 0, H 4 . . 12.4 4 7 4 1, 71. 13.1 72.2 ·7.2 90.2 91.4 11.4 /1.4 /2.4 4/.1 91.6 92.6 93.7 71.1 11.8 31.7 91.8 91.4 91.6 1,.1 93.1 93.1 ÷ •. 4. t 21.4 91.9 93.8 93.4 95.4 45.4 25 . . * | 1.00 71.5 74.4 76.7 45.7 44.5 . . 56.7 35.9 16.9 46.4 30.0 93, a 33, 3 93, 7 47.1 -7.5 4-.1 .4.1 97.7 7.7 57.6 4 2 • 1 4 4 • 5 94.1 94.5 98.9 98.5 98.9 98.5 . . . 94.9 1 1 . 4 42. a, . , 9 9 • 1 • 5 • 1 .... 98.4 %4.E 43.7 39.3 90.1 99.

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ATP ACATHER SERVICE/MªC

### SECOND TO THE PROPERTY OF CONTRACT OF CETAL AND ACTIONS OF CETAL AND ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIONS OF CETAL ACTIO

STATION NUMBER: 774095 STATION WAME: MODULET AFR NU

FEMIND OF PECORD: 78-67 HOWTH: MAP HOURSILTTI: 2100-2300 CERTING VISINITIES VISINITIES 52.1 12.0 52.3 4 (IIL | 4.8 11.0 51.0 1.2.0 53.4 42.3 5.2 · i. 52.3 62.0 50.2 1 muni 12.2 1 muni 12.2 10 11 17.2 57.7 ...4 59.4 57.4 59.7 59.7 67.1 . 4.5 11.1 60,4 59.4 59.4 59.4 59.4 57.4 63.4 50.5 53.7 53.7 53.5 59.7 59.7 69.0 59.7 C . . . 59.1 51.7 59.1 69.1 69.1 50.8 50.8 67.1 19.7 19.8 •• 3 59.1 59.5 52.7 62.3 64.7 50.7 59.7 12.0 49.7 6 U . 1 3 1 14 3 1 1000 3 1.73 1 13.2 16.0 60.0 67.0 01.3 50.0 -1 014 13.7 % 211 13.7 % 311 17.6 7 214 11.7 07.5 07.5 67.2 62.6 63.7 66.5 6 . . . 6 . . . . 53.0 53.0 56.5 92.1 93.7 56.5 14.9 52.7 55.9 63.2 65.3 13.2 67.3 13.3 66.5 11.05 65.t 1.4.4 69.4 64.5 41.4 40.4 49.4 69.4 1.9 . 4 65.4 6.7.4 72... 77.4 76.5 78.7 57.9 # 11 11.4 # 11 11.5 # 17 11.6 # 11 11.6 72.9 76.1 12.0 22.4 . . . 0 77.0 72. + 1 ... 73. . 11.1 72.7 12. 1 76 · 1 7:1 76.2 79.1 61.7 74... 1...8 6.1 75.1 79.3 41.6 76. 71 - 1 16.1 76.1 74.1 77. 77.3 -1.0 01. n 1 • · · 4. . . . 61.6 31. 31.t 11.0 1.05 7 4 . 9 64 . 1 85 . 2 6.5 66.6 67.4 nf = 1 ob = 1 c (, , ) 16.3 Hh.5 1- 1 12.7 1- 1 12.7 1 2 1 12.7 1 2 1 12.2 - 4 .-55.3 57.3 46.1 35.5 H1.3 46. -( · i 7) () () ( ) ( 46.3 • H4 .7 41, 15 -7. at.5 +1.4 . . . 17.1 1.5 +1.2 03.1 1 1 1 17.7 3 1 17.7 - 1 17.7 90.. 47. 67.4 67.4 .1.1 .... 6.74 4.74 د ي. و و روان 4. . 1 ---11. 91.5 97.3 91.5 *1.5 91.3 +3.4 +1.6 91.4 21. 91. -,,,,, 42.3 92.3 1 . 4 - - - 7 ,:.. -1-4 92.1 74.0 1 1 22.7 9. 1 12.2 2 1 12.2 1 12.2 87.7 u.e. 4:.6 94.4 91.2 91.1 95.2 47.6 15.7 95.7 . . . . 19.3 15. 1 25.1 95.8 45.8 5. e r ---3 ---3 06.5 ٠,٠ ٩ ٠,٠ ٠ 97.3 97.5 92.2 92.7 92.7 46.4 47.1 97.2 16.3 12. e = ... ... 7.1 .7.1 48.3 44.7 . 6. . . 47.4 59.2 69.6 98. 49.6 1.00 21.1 49.7 1 12.7 a . . . 4 . . . 1. 53.3 96. 91.7 , . , , 39.1 29.1 49.7 176.0

POTEL MORNEY OF CONFRACTIONS

GLEMAL CLIPATOLOGY FRANCH GNAFITAC ATM ATATER SERVICIAMAC

### PERCENTAGE FREQUENCY OF LOCURPENCE OF CFILING VERKUS VISIBILITY FROM FOLFILY OBSERVATIONS

STATION NUMBER:	7:4:46	STATE	OI. NAME	: "C 60	IR! AFB	MU						080: 78	-		
										MONTH			(LST):	ALL	
(	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••		FILITY				• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • • •
17   GE	GE	5 f	U!	e E	C.E	61	65	GE	61	SE	G F.	GE	GF	GE	GE
LEEL 1 10	t	"	4		2 1/2		1 1/2	1 1/4	1	7/4	. / 8	1/2	r/16	1/4	۵
• • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • •
RYCETL   HAT	47.1	4 7 . 0	41	4 = 3	4 3	48.4	46.4	48.4	49.5	40.0	48.5	44.5	48.5	43.5	48.5
15 751 ECT 10.0	63.1	52.4	14.3	c 4 . 4	54.5	54.6	54.0	54.4	-4.6	54.6	54.6	54.7	54.7	54.7	54.7
FI INTUCT ID-C		54.1	6,4 . 5	54.7	64.7	54.2	54.0	54.3	64.5	54.9	54.9	54.9	54.9	54.9	54.9
out ichden in√r	1 2.3	54.1	(4.5	54.7	4.0	54.0	C (4 . U	54.9	54.9	54.9	54.9	54.9	64.5	54.9	55.0
55 14 Col 15.0	17.6	54.4	4 . 6	55.0	55.0	55.1	55.1	55.1	55.2	50.2	5.5.2	55.2	55.2	55.2	55.2
SE INSERT INSER	- 4 . ?	5.5 +1	*	55.7	. 6. 6	55.9	55.9	9 t • 9	5.9	5.9	55.9	56.7	56.0	56.0	56.0
CF 102471 1942	17.2	54.1	4,6 . 5	50.7	58.7	58.4	6.8 . ង	59.8	٠, ٩	55.9	58.9	58.9	16.9	58.9	59.0
.F 9 dOI 15.7	: 7 · c	58.5	2	59.4	r 5 . 4	50.5	59.5	59.5	69.6	57.6	59.6	59.5	£ 9 . b	59.6	59.6
u5 8160 <b>1 13.</b> 5	01.3	57.4	6 4	€ 5 • 1	5 5 · 1	6 ? • ?	€3.3	63.3	63.3	67.3	63.3	63.3	63.3	6 2 . 4	63.4
UE - 71 U1   17.8	62.8	64	64.5	64.7	64.7	64.5	6.4.5	64.7	64.5	54.9	64.9	64.9	64.4	64.9	65.3
.E €1501 10.8		64.7	F 4	65.6	15.6	65.7	65.8	65.A	65 <b>.</b> 6	6°•¤	55.5	65 • 3	65.3	65.8	65.9
. F - 50001 11.€	66.4	67.8	68.5	6.6.6	F t. + 7	60.0	68.9	63.9	6.8.9	60.0	58.9	58.7	40.9	68.9	69.0
1 5 45.7 <b>1 11.</b> 4	, ~ · ~	71.7	12.5	72.7	72.8	72.49	72.9	72.9	73.0	7 ' • "	73.0	73.0	73.J	73.0	73.1
4 0 1 1.7	7	74.7	75.6	76.5	76.5	76.02	76.7	76 • 2	76.3	71.7	76.3	76.3	76.3	76.3	76.4
1.6 25 LT 11.9	16.1	78.1	70.5	79.5	79.€	10.0	79.0	10.0	79.9	73.0	79.9	19.7	73.9	79.9	96.6
0.1 - 71 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 7	51 · i		2.5	- £ • 9	87.1	e 3. 1	o 3 • 2	93.2	57.2	F3.2	33.2	P3.2	83.3	83.3
<pre>c! 25.001 i2.0</pre>	79.7	97.3	43.L	84.2	.4.4	84.6	94.7	84.7	F4.7	84.7	24.7	44.7	24.7	84.8	84.8
/ C1671 17•1	· . , 4	8	·4 • 5	15.2	A 5 . 4	Rf .c	45.€	85.5	25.5	8 ° ° °	95.9	95.9	A5.9	85.9	P6.0
f 190   1 10.1	a 5	6 5	F4 . :	F 5.4	e5.7	86.0	RE.C	96.7	26 • 1	df +1	46.1	96.1	°6.1	86.2	86.2
(f 15, 7] 17.1	,1.5	ъ4.	- b • 7	E E . S	"( • 7	87.1	47.2	37.2	°7.7	H7.7	31.3	57.3	₽ 7 • 3	87.4	P 7 . 4
1 1 474 1241	-1.7	04.7	-e • 5	67.4	÷7.7	68.1	пь. 1	F F • 7	48.3	52.7	FA . 3	d9.3	P5.3	88 · 3	88.4
0.5 1 101 12.1	1	F F . 2	67.2	FA . 3	en. 7	89.2	F7.3	87.3	29.5	46.5	90.5	49.5	95.5	89.6	89.6
77 - 77 L 12.1	×, •5	8 S +5	F7 .c	69.7	±9.7	40.0	97.1	#C.4	20.5	97.6	95.6	97.5	23.6	90.6	90.7
ot   Co. J. 17+1	- 2 - 7	of •1	12.4	9 10 3	9.4	91.1	21.3	≠1 • ?	21.5	91.6	71.6	91.5	?1.6	41.6	91.7
1 1 1 1		F. F. +4		90.€	1402	91.7	2.0	92.	95.5	92.6	35.6	92.7	52.7	97.8	92.8
7 € 11 47±1	*• 1	b.f .7	89.3	91.4	11	97.1	43.6	93.7	0 <b>3 *</b> 0	.4.1	24 - 1	94.3	74.3	94.3	94.3
65 5.11 12.1	3	87.1	64.9	92.4	53.3	94.6	95.1	75.3	25 .€	30.0	24.4	96.1	96.0	95.1	96.1
	. 4	F 7	3	9.7	14.0	95.4	96.1	70.7	36.7	3.4	51.L	97.3	97.3	47.3	97.4
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	11.5	67.2	9	93.	C4,4	56.1	76.8	97.1	97.€	17.0	27.5	*** 3	9 H . 5	44.5	98.5
7.61 12.1	;• <u>•</u>		• •	9 7 • 5	.4.4	+6 . 3	07	91.5	04 • C	90.4	4	• 9 • "	3,497	99.3	99.4
3 (1 42x1)		e 7 • *	*** ***	, 7 . 3	54.4	94.	97.2	17.5	≎н.1	4 = 4	98.5	*9.	24.1	33.6	99.9
1 17:1	· * • 5	57.1	• • 5	93.3	44.4	91, . 7	91.7	47. c	9H . 1	+ 9 . 4	94.5	19.7	99.1	¥9.6	100.0
	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •		• • • • • • • •

THINK WHILE OF OWNER VATIONS: 1444

CITY AL CLIMATCLOGY PRANCH FETAC FOR ALEMER SERVICEZMAC

## PERCENTAGE FREGLENCY OF COCURPENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

				-			IRE AFE	_				MONTH	: APP		(LST): (		
		• • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••			IN STATE			• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •
	·	6E	G _i			š	(E 2 1/2	6 L	65 1 1/2	6E 1 1/4	GE 1	GE 7/4	6 E 5 / 8	G L 1/2	GE 5/16	GL 1/4	GE O
• • •			• • • • • •	• • • • • • •		••••	•••••	• • • • • •	•••••	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •			• • • • • • • •
* I	ti IL I	7.7	45.1	49.7	50.0	50.2	16.2	53.2	54.2	50.0	°S•4	57.6	50.6	50.7	50.7	50.9	51.0
, r	23.0031	7.5	12.8	53.8	r, 4 🔒 🗓	54.3	* 4. 3	54.5	. 4.3	54.3	c4.6	54.7	54.7	54.8	54.8	55.3	55.1
	15 651	7.5	52.4	5 3 . 8	54 - 1	54.3	· 4 . *	50.7	44.	54.3	54.6	54.7	54.7	54 . A	54.8	55.0	55.1
	10	7.2	12.8	53.5	54.1	54.3	4,3	54.3	54.3	54.3	54.6	54.7	54 • 7	54.8	54.5	55.0	55.1
	1 - 21	7.5	53.1	54.1	54 . 4	5,4 . 7	54.7	54.7	54.7	54.7	54 + 5	59.0	55.3	55.1	55.1	55.3	5.4
€. €	10 601	7.5	5.3.9	54.9	45.3	55.6	55.6	55.5	55.6	55.5	55•8	22.0	55.9	56.7	56.0	56.2	56.3
	1 *** 0 3 1	₃.೧	r E • 1	57.1	57.6	57.A	r 7. b	57.6	51.3	57.5	1.32	50.1	5 h • 1	58.2	59.2	58.4	56.6
	9. 631	a. 3	56.4	57.4	57.9	18.1	58.1	58.1	5H.1	59.1	59.3	59.4	58.4	58.6	90.0	5 R . B	58.9
6.5		9.7	7	61.3	61.4	62.2	12.2	62.2	62.2	62.2	62.4	6 . 6	62.6	62.7	62.7	62.9	63.3
	7 50	6.7	1.3	62.4	63.6	63.0	(3.6	63.6	63.6	03.5	53.E	67.9	63.9	64.)	64.3	64.2	64.3
É	unusi	8.4	62.1	63.3	63.9	64.4	(4,4	64.4	64.4	54.4	64.7	64.2	64.8	64.9	64.9	65.1	65.
, ,	50301	0.6	(4.6	66.2	67.3	67.7	£ 7. 7	67.7	67.7	67.7	67.9	60.7	68.5	68.1	68 • 1	66.3	68.4
. 1	4530	8.7	68.0	62.7	14.4	71.2	71.2	71.5	71.3	71.3	71.6	71.7	71.7	71.9	71.0	72.0	72.1
1.5	4100	a. 0	77.3	12.6	73.4	74.4	74.3	74.4	74 . 4	74.4	74.7	74.6	74.8	74.5	74.9	75.1	75.2
6.5	35 51 1	7.1	72.3	14.9	75.5	76.5	76.9	77.1	77.1	77.1	77.4	77.6	17.6	77.7	77.7	77.9	78.3
: *	71 201	c. ?	7 ( 8	76.7	77.7	78.7	76.6	79.0	70.5	79.0	79.3	79.4	79.4	79.6	79.6	79.8	79.9
	21 2 11	0.2	74.6	77.4	78.7	74.2	c ( . 0	80.2	44.2	83.2	90.46	87.7	27.7	87.P	90.6	81.0	P1.1
., :	(.)	3.7	75.2	78.1	79.3	80.6	±U. 8	81.0	h1.3	51.7	81.4	81.6	81.6	81.7	91.7	61.9	82.J
	19.00	q j	75.4	73.3	79.6	50.5	21.0	81.2	61.2	01.2	P1 • 7	61.8	P1.8	81.9	F1.9	82.1	82.2
	17.71	٠, ٠	76.5	18.9	Ev. 1	61.3	-1.6	61.8	61.8	61.6	P2.2	82.3	92.3	82.6	82.6	02.8	92.9
. :	1257	Ģ <b>,</b> 4	16.9	79.5	-1.4	F 7 . 7	4 9	83.1	F 3 • 1	03.1	63.€	67.7	83.7	63.9	93.9	84.1	24.2
	11671	2,1	77.6	80.7	n2.3	e 7.7	34.€	84.3	84.6	84.6	١, ، (	8 . 1	85.1	35.3	P5.3	65.6	85.7
	9. 1	9.4	77.9	8 ^ ∗∂	80.s	84.3	-4.3	24.7	54.4	04.0	95.2	85.4	25.4	85.7	A5.7	85.9	96.0
12.7	4601	7.6	73.2	61.1	83	F4 . 6	24.9	85.2	95.4	85.4	P5.5	84.1	86.0	96.2	26.2	86.4	66.6
i.	5, 54	7.1	1000	61.1	F 3 . 1	H5.	45.3	85.8	86	66.0	RE . 4	86.6	°6.6	86.9	86.8	37.D	87.1
, t	1001	4.6	7A. €	61.6	F3.6	e6.1	46.0	87.4	F7.7	e1.1	88.1	82.7	AB + 2	98.6	º ē . ₺	8 9 . 8	PE.9
1.1	r.:1	9.6	77.1	8.2.2	F5 • 1	87.8	: 6.4	90.0	97.2	90.2	70.7	9~.3	93.9	91.2	91.2	91.4	91.6
1. 1	9 01	2.1	79.1	6.	45.5	ba. c	89.3	91.0	92.1	12.1	92.7	47.7	93.0	93.3	93.3	93.6	93.7
	7, 11	2.6	79.2	€ 2 • 3	85.4	66.3	49.9	12.3	43.€	93.9	04.4	94.5	94.8	95.1	95.1	95.7	95.8
1.1	25.01	<b>~.€</b>	70.1	82.7	55.4	F = 3	£ 🗣 , 5	42.0	93.9	94.4	05.4	76.4	96.4	97.7	97.7	98.3	96.6
1.1	1.71	5.1	79.1	87.3	55.4	6 9 · 3	£9. 9	92.6	95.9	94.4	95.6	9 V * E	96.8	98.3	CA • 1	99.2	9.8
. :	- 1	6 . F	19.2	82.3	et. • 4	FF . 3	٤٠. ٤	97.1	c 3 . 4	74.4	75 • 6	96.2	36.8	98.0	98.1	99.2	100.0

THE MUNICIPAL OF GEOGRAPHICS : CUL-

CLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFR NJ PER10D OF RECOPD: 78-87 MONTH: APP HOURS(LST): 0300-0500 CEILING. VISIBILITY IN STATUTE MILES GE OF GE GE CE IN | DE FEET | IT GE GE 5 4 GE (·E GE GE GE O GE GE ٠/16 3/4 1/4 5/8 1/2 1.0 CEIL | 5.7 50.0 FC. 1 50.3 52.4 46.9 48.4 44.6 50.7 50.3 50.3 50.4 51.6 50.6 50.8 50.9 or appear ۽ رو 54.2 55.3 5.1 52.6 53.7 64.5 54.6 54.6 54.6 54.7 54.5 54.9 54.9 55.2 c4. 3 GE 180001 52.6 54.9 54.3 54.8 54.8 54.9 54.9 54.9 54.9 55.2 55.2 55.3 55.3 f . 1 50.5 53.7 54.2 54 .6 54.6 54.6 £4.7 05 164031 66 147561 56.9 53.7 54.2 54.3 54.6 54.0 54.6 54.7 52.7 54.7 55.0 55.7 6.1 51.0 53.8 54.7 54.7 54.8 54.9 54.9 55.0 55.3 55.6 45.4 55.3 55.3 55.6 55.7 56.0 56.1 CE 100001 6.1 54.7 57.7 58.2 5° .6 58.6 59.6 58.7 54.8 58.8 59.2 59.3 56.6 58.3 58.9 58.9 56.7 62.2 67.4 59.6 50.0 66 81001 6.1 -4.6 56.7 57.8 58.3 58.4 5 m . 7 6 2 . 2 56.7 58.9 59.0 59.3 57.9 6.7 60.0 61.1 61.3 62.4 61.9 62.0 62.2 62.4 62.6 62.6 62.9 63.0 7001 60001 63.2 03.4 63.€ 65.4 59.6 61.8 63.1 63.8 £3.9 64 . 1 64.3 67.1 6.4 52.0 64.6 65.9 66.6 £6.7 66.9 70.2 4.6 . 9 66.9 47.C 67.1 67.2 67.2 73.7 67.6 67.7 77.4 45.33 υť 65.2 67.8 70.2 70.3 70.4 6.6 44.1 69.6 76.5 70.2 70.7 71.0 71.1 4 501 35.351 6.7 7.2 69.0 71.1 71.4 73.9 72.0 72.7 ω£ 66.3 70.3 71.5 71.9 72.2 72.2 72.6 71.8 74.2 74.4 74.7 74.7 68.6 72.7 74.1 74.2 74.3 ande i 25.01 2000 1600 1600 1600 72.3 73.0 76.0 7.4 77.7 70.4 70.7 75.7 78.8 79.7 76.9 79.1 79.1 79.4 79.6 76.8 87.2 87.3 87.9 82.4 υĽ 7.6 76.0 76.0 77.5 77.9 79.3 79.1 74.3 79.8 79.9 80.0 85.C 90.1 80.2 80.3 87.4 P3.4 8.03 9.08 7.6 73.ú 79.4 90.2 80.6 90.1 80.1 87.6 81.0 76.2 77.1 81.1 81.6 73.2 79.4 79.6 87.3 A 1 - 7 60.7 8.Ca 80.9 91.1 81.4 82.1 92.7 83.0 41.0 82.7 63.1 97.4 97.3 12321 74.1 77.7 79.9 92.9 H3.0 93.2 93.3 83.6 93.6 83.9 84.0 81.3 -1.7 82.6 9.201 8.01 7.001 6.01 7.6 7.6 74.3 74.4 F4.1 77.5 82.3 62.4 83.2 63.8 84.2 84.7 P4.4 80.3 ° 2 • 3 83.7 84.2 83.7 P4.9 65.2 85.3 78.2 50.7 64.6 54.1 84.7 P4 . 7 84.9 83.8 55.6 86.1 86.1 86.3 86.3 86.7 86.8 1. [ 75.3 79.4 86.7 8 - 1 98.3 100.1 4001 65.2 60.9 63.3 7.5 75.6 37.4 66.4 +7.2 88.4 37.4 89.7 70.1 90.4 93.9 90.8 91.1 91.2 11 7.6 9°.2 97.9 76.1 76.2 91.9 97.9 92.9 93.2 91.6 92.6 93.2 93.6 93.7 43.9 e7.6 46.8 72.4 72.9 740 | 757 | 7.6 81.0 ٤4. ن 67.5 86. . 93.9 94.6 94.6 95.3 95.4 96.0 96.1 (, r 7.6 76.0 81.0 24 . . . 87.4 89. C 91.1 23.1 43.7 94.7 95.7 96.9 97.0 97.7 97.A 81. 11 7.6 84 • C 91.1 97.8 98.8 100.0 93.1 93.7 3.80

TOTAL BUMBER OF OBSERVATIONS: 93

GLOEAL CLIMATOLOGY ERANCH USAFETAC AIR WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

			· ·											(LST): (		
FILING								PILITY :			-		4.			
IN 1 FLET I	.rc GE	Gł v	GE S	υ E 4	GE,	65 2 1/2	56	GE 1 1/2	6 E	GE 1	GE 374	G E 5 / 8	GE	GE	GE 1/4	GE
						2 1/2		1 1/2			-	5/8	1/2	5/16	1/4	
n CETE I	4.4	39.2	47.3	40.7	41.4	41.9	42.0	42.1	42.1	42.2	47.2	42.2	42.3	42.3	42.4	42.8
200001	5.4	44.2	45.9	46.6	47.2	47.7	47.8	47.5	47.9	48.0	48.0	48 • D	48 • 1	48.1	48.2	48.6
[ 18000]	9.7	44.7	46.3	41.3	47.7	48.1	48.2	44.3	48.3	48.4	49.4	48.4	44.6	48.6	48.7	49.
. 16°57	5.7	44.7	46.3	47.J	47.7	48.1	48.2	48.3	48.3	48.4	48.4	48.4	48.6	48.6	48.7	49.
[ 14700	5.7	44.8	46.4	47.1	47.8	46.2	48.3	48.4	48.4	48.6	49.6	48.6	48.7	48.7	48.8	49.
5 12730	5 . A	45.4	47.1	47.8	49.4	46.9	49.7	47.1	49.1	49.2	40.2	49.2	49.3	49.3	49.4	49.
n luncul	6.1	47.8	47.6	50.2	50.9	51.3	51.4	51.6	51.6	51.7	51.7	51.7	51.8	51.8	51.9	52.
90631	6 - 1	48.1	49.9	50 6	51.2	51.7	51.8	51.9	51.9	52.€	52.0	52.C	52.1	52.1	52.2	52.
10018	6.1	52.4	54.6	55.4	56.2	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.2	57.
E 70201	6 • 9	54.7	56.9	57.8	59.6	59.0	59.1	59.2	59.2	59.3	50.1	59.3	59.4	59.4	59.6	59.
. eua2∤	6.9	55.3	57.7	58 • 6	59.3	54.8	59.9	6.3 • 0	6 C • 3	60.1	67.1	60.1	63.2	60.2	60.3	6 L •
50001	6.0	58.6	61.1	62.2	63.4	€4. ∪	64.1	64.2	64.2	64.3	64.3	64.3	64.6	64.6	64.7	65.
45.331	7.7	62.4	55.0	66.2	67.4	68.2	69.2	68.3	63.3	68.4	69.4	68.4	68.7	68.7	63.8	69.
4nab	7.1	54.4	67.4	68.0	77.0	70.€	70.8	79.9	70.7	71.0	71.7	71.0	71.2	71.2	71.3	71.
35JUL	7.3	56.4	69.7	71 - 1	72.4	73.1	73.3	73.4	73.4	73.6	77.6	73.6	73.8	73.8	73.9	74.
30001	7.4	68.2	71.0	73.1	74.6	75.2	75.4	75.6	75.6	75 <b>.</b> A	75.8	75.8	76.3	76.0	76.2	76.
erucl	7.4	67.7	73.1	74 • 7	76.3	77.J	77.3	77.4	77.4	77.7	77.7	77.7	77.9	77.9	78.1	78.
i poarl	7.4	70.0	73.4	75 . 1	76.2	77.6	77.9	78.1	78.1	78.3	70.3	78.3	78.6	78.6	78.8	79.
ازن ۱۰	7.4	70.0	73.4	75.1	76.0	77.6	78.0	79.2	79.2	78.4	78 • 4	78.4	78.7	78.7	79.9	79.
1:55]	7.4	73.6	74.4	76 • 2	77.9	7ۥ7	79.1	79.3	79.3	79.€	79.6	79.6	79.8	79.8	80.0	ەن 9
17601	7.4	71.2	75.2	77.2	79.2	35.2	87.7	81.0	81.7	41.2	81.2	81.2	81.4	£1.4	61.7	B 2 •
1 001	7.4	71.7	75.9	78 • 1	87.2	91.2	81.8	F 2 . 3	02.3	P2.7	87.0	82.8	83.7	ن ₃ 3 ه	83.2	Р3.
5 UC	7.4	71.7	75.9	74.2	BC.3	91.3	82.0	62.6	02.6	82.9	83.7	83.0	83.2	93.2	83.4	83.
1501	7.4	71.e	76.1	78.6	81.2	32.4	83.3	24.1	04.1	£4.4	84.6	84.6	84.9	64.9	85.1	85.
701.	7.4	71.9	76.2	78.9	61.3	83.L	84.1	84.9	84.9	P5.3	35.4	85.4	85.8	45.8	86.0	86.
1.421	7.4	72.6	77.	79.9	83.2	84.8	86.2	87.C	87.7	97.5	9 P . 1	88.1	83.4	98.4	89.7	89.
5001	7.4	72.8	77.5	63.6	64.3	°6.3	88.2	89.3	89.4	93.4	90.8	90.8	91.1	91.1	91.3	91.
4001	7.4	72.9	17.1	11.0	65.	27. 4	84.3	79.3	90.9	92.3	97.0	92.9	93.2	93.2	93.4	93.
7621	7.4	72.9	77.8	91.3	£5.8	68.2	90.9	92.7	92.9	94.4	95.6	95.6	76.7	76.0	96.2	96.
r sini	7.4	72.9	77.9	P1 • 5	£5.3	56.3	91.1	93.2	93.4	95.€	96.3	96.3	97.4	97.7	98.0	98.
1501	7.4	72.9	77.5	61.3	8.56	98.3	91.2	93.3	93.6	25.1	94.4	96.4	97.8	98.3	99.9	99.
1	7.4	72.9	77.8	81.3	85.0	£8.3	91.2	93.3	93.6	25.1	94.4	96.4	97.9	98.0	99.0	100.

TOTAL NUMBER OF ORSERVATIONS: 900

CLOBAL CLIMATOLOGY BRANCH USAFETAC ATR GRATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

												MONTE	: APP		(LSTI:		
	. 17.6	• • • • •		• • • • • •	• • • • • •				BILITY				• • • • • • •	• • • • • • •	• • • • • • •		••••
11		(,E	GE	GE	GΕ	GE	GE	Cι	G.C.	GE	GE	₽.F	GE	GΕ	GF	GE	GE
FFE		10					2 1/2		1 1/2		1	₹/4	5/8	1/2	5/16	1/4	
' '	EIL	5 • "	42.3	43,4	43.7	43.8	43.0	47.8	43.A	43.2	43.8	47.8	43.8	43.8	43.8	43.8	43.
	00001	7.2	4.54	50.1	56.3	50.4	50.4	50.4	51.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.0
	.≠€€01}	7.2	48.9	50.2	56.4	50.6	56.6	50.€	50.6	<b>50.6</b>	50.€	51.6	50.6	50.6	50.6	50.6	5 C •
	ETUD!	7.2	43.9	50.2	50.4	50.6	5C+6	50.€	57.6	50.6	50 • t	51. • 6	50.6	50.6	50.6	50.6	5 L •
	41.001	7 . 2	48.9	50.2	56.4	50.6	St. 6	50.6	50∙6	5C • 6	50 €	50.6	0.6	53.6	< C • 6	50.6	50.
1	2001	7.6	49.7	51.1	F1 + 2	51.3	51.3	51.3	51.3	51.3	51 · 3	51.3	51.3	51.3	51.3	51.3	51.
٠,	ichest	8.2	-3.1	54.6	54.6	54.9	54.9	54.9	54.9	54.9	r4.5	54.9	54.9	54.9	£4.9	54.9	54.
	91301	5.2	53.1	54.6	54 . 6	54.9	54.9	54.7	54.9	54.9	E4.9	54.9	54.9	54.0	54.9	54.9	54.
	87501	P . P	57.C	5€.6	58.€	50.9	56.9	58.9	53.9	58.9	58.5	50.0	58.9	58.9	58.9	59.9	56.
	77631	9.0	5.8 • 2	59.5	60 ⋅ 11	€0.1	(L. 1	69.1	60.1	60.1	63.1	67.1	60.1	60.1	€0.1	69.1	66.
	CEESI	9.C	59.1	60.7	€€.9	61.1	€1.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	£1.1	61.1	61.
	51.004	0.1	61.3	63.2	63.4	63.7	63.8	63.0	63.8	63.A	63.6	67.8	63.8	63.B	63.8	63.8	63.
	45001	9.1	64.3	66.3	(t.t	66.8	£ 6. 4	66.9	66.9	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.
	47001	9.2	68.5	71.1	71.3	71.7	71.8	71.8	71.8	71.6	71.8	71.0	71.8	71.8	71.8	71.8	71.
	75 ( ) [	15.C	71.€	73.8	74.2	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.
	ამიმქ	10.4	74.4	77.0	77.9	79.3	78.4	78.4	7×.4	74.4	78.4	79.4	78.4	73.4	76.4	79.4	78
	25.001	10.4	75.7	78.2	79.3	79.3	90.1	87.1	ag. 1	80.1	90.1	87.1	80.1	80.1	°J.1	83.1	80.
	27671	15.6	76.8	79.4	81.6	81.1	91.4	61.4	81.4	61.6	P1.6	81.6	81.6	81.6	81.6	81.6	81
	15.71	10.6	76.9	79.6	81.7	61.3	21.7	81.7	£1.7	81.0	P1.8	91.8	81.6	81.8	P1.8	81.8	61.
	1565]	10.7	77.7	56.6	F1.5	82.7	A 3 • 1	83.1	F 3 • 1	υ3·2	яз.;	87.3	P3.2	63.2	R 3 . 2	83.2	83.
	inact	10.7	78.6	61.£	84.8	£3.9	24.3	84.3	84.3	84.4	P4 . 4	84.4	84.4	84.4	94.4	84.4	64,
	17601	10.7	79.0	62.4	F4 • 1	65.3	45.9	85.9	86.C	86.1	86.2	86.4	86.4	86.6	86.6	86.6	86,
	9651	1~.7	79.1	82.7	84.6	85.9	86.6	86.9	86.9	67.S	P7 - 1	87.7	87.3	87.4	87.4	67.4	87.
	6 6 G 1	10.7	*9.2	87.3	P5.4	67.3	87.7	C.83	39.3	88.4	99.6	88.9	88.9	89.0	P9.0	89.0	89.
	7601	10.7	79.4	83.9	86.3	80.6	P9.4	90.0	90.4	90.6	20.7	91.1	91.1	91.2	91.2	91.2	91.
	eich	10.7	79.4	84.0	₽€.6	89.8	31.5	92.0	92.4	92.5	92.8	97.2	93.2	93.3	03.3	93.3	93.
	rual	10.7	R 1	£4.7	87.6	41.1	93.1	94.3	95.0	95.1	95.4	96.1	96.1	96.2	96.2	96.2	96
	ოვი	10.7	90.1	84.7	P7.6	92.0	64.2	95.8	36.€	90.7	97.E	97.7	47.7	97.8	97.8	97.8	97.
	7001	10.7	93.1	64.5	67.9	92.3	54.8	96.6	97.7	97.8	98.3	90.1	99.2	99.3	99.3	99.3	99.
	2601	10.7	٠ ). 1	84.9	47.9	92.3	44.8	96.6	97.7	47.9	3.92	90.6	99.9	100.0	170.0	100.0	100.
	1001	15.7	80.1	84.9	87.9	92.3	94. €	96.6	97.7	97.9	9.6	90.8	90.9	100.0	ina.o	140.0	100
	- 1	15.7	3 3.1	64.9	£7.9	92.3	94.8	96.6	97.7	97.3	98.6	90.8	20.0	100.0	100.0	100.0	100

TOTAL NUMBER OF OFSERVATIONS: 900

GLOFAL CLIMATGLOGY PRANCH USAFLIAC AIR MEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF UCCURPLING CF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

******						THE AFB					PET100 MONTH	: APR	HOURS	(LST):		
EILI*'6	• • • • • •	• • • • • •	• • • • • •	• • • • • •					IN STATE						• • • • • • •	•••••
FLET I	÷t. eF	GE G	GE 5	4	GE 3	2 1/2		GE 1 1/2		GE 1	ĢΕ ₹/4	5/8	1/2	Gṛ 5/16	GE 1/4	GE O
• • • • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •
O CETE 1	î, A	42.0	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.t	42.6	42.6	42.6	42.6	42.6	42.6
[ 25000]	3.2	49.9	50.3	53.4	57.4	50.4	5.7.4	50.4	57.4	50.4	57.4	50.4	50.4	50.4	50.4	50.4
5 16000j	7.4	50.3	50.8	53.9	59.9	50.9	57.9	50.9	5 J • 9	50.9	50.9	50.9	57.9	50.9	50.9	50.9
5 167671	9.4	r J. 3	50.3	5j.9	50.9	50.9	50.9	5.3.9	50.7	50.9	57.9	50.9	50.9	50.9	57.9	50.9
5 140001	9.4	5.7.8	51.2	51.3	51.3	51.3	51.3	51.3	51.7	51.3	5!.7	51.3	51.3	51.3	51.3	51.3
L la jubl	7.7	51.6	52.~	52 • 1	52.1	52.1	52 • 1	52.1	52.1	52 • 1	5.7 • 1	52.1	52.1	52.1	52.1	52.1
5 100001	10.1	52.9	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
5 9707		5 3 - 1	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	57.7	53.7	53.7	53.7	53.7	53.7
6 8,1331	13.7	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
ומטיז מי		58.0	59.6	53.0	58.8	56.8	58.8	58.8	58.8	58.8	50.9	58.8	58.8	58.8	58.9	58.8
E 6780	11.1	58.7	59.2	59.4	57.4	55.4	59.4	59.4	59.4	59.4	50.4	59.4	59.4	59.4	59.4	59.4
5 50001		63.6	61.2	61.7	61.8	61.8	61.9	61.8	61.3	61.6	61.9	61.8	61.8	61.0	61.8	61.8
E 4530∤		63.0	63.3	64.3	20.00	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
5 40c0l		69.4	70.2	73.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71 - 1	71.1	71.1
F 35 00 €		72.2	73.1	73.8	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
2 30004	13.1	77.3	78.7	79 + 3	79.6	75.7	79.8	79.8	19.0	79.9	77.9	79.9	79.9	77.9	79.9	79.9
F 25 721		° 0 • 3	81.6	A2.3	82.6	82.7	82.8	02.H	92.9	82.9	8.7.9	92.9	82.9	92.9	52.9	82.5
r andal		° 1 • 3	32.3	93.9	64.1	°4•2	84.3	34.3	04.4	44.4	84.4	94.4	34.4	94.4	84.4	84.4
5 16001	13.3	41.7	83.2	84.3	84.7	P4.8	85.0	85.0	55.1	<b>35.1</b>	35.1	85.1	85.1	95 • 1	85.1	85.1
5 15001		73.1	84.7	96.2	86.6	86.7	86.7	86.9	47.7	97.0	87.0	97.0	87.0	97.J	87.0	87.0
F 17031	13.3	43.7	85.4	37.1	87.6	47.7	87.9	37.9	ਰਰ• €	38.0	89.7	8 B • D	38.7	98.0	88.0	68.0
E 1500		94.8	36.7	99.2	93.2	9C. 4	90.7	93.7	#2.0	90.9	97.9	90.9	90.9	çJ.9	90.9	90.9
	17.3	44.8	87.1	97.7	97.9	91.0	91.2	01.2	91.3	31.4	21.4	91.4	91.4	91.4	91.4	91.4
	13.3	35.2	37.8	93.3	91.9	92.1	92.3	92.3	92.4	72.0	97.0	92.8	92.8	92.3	92.8	92.8
	13.3	-5.2	o 7 • 9	43.5	92.1	92.4	92.7	92.9	93.1	03.6	93.6	93.6	93.6	93.6	93.6	93.6
5 6031	17.3	∂5•6	89.2	91.3	93.1	93.4	93.9	04.3	74.6	95.2	95.2	95.2	95.3	95.3	95.3	95.3
	13.3	86.3	83.7	91.9	94.3	94.7	95.7	96.4	96.7	97.3	97.3	97.3	97.4	97.4	97.4	97.4
	13.4	26.1	83.8	72.1	94.7	95.3	96.4	97.2	97.4	98.2	90.2	98.2	99.3	03.3	98.3	98.3
	17.6	36.2	34.7	92.2	94.9	35 • 6	96.9	98.3	98.2	99.0	99.7	99.3	99.2	99.2	99.2	99.2
	13.6	26.2	88.9	92.3	95.1	37.8	97.2	98.4	98.7	77.4	90.8	99.8	130.3	100.0	100.0	100.0
C 1974	13+6	°6•2	88.7	92.3	95.1	95.6	97.2	95.4	98.7	99.4	44.9	99.6	100.0	100.0	130.0	100.0
r -1	13.€	66.2	88.9	92.3	95.1	95.8	97.2	98.4	90.7	99.4	99 . R	99.8	100.0	100.0	100.0	100.0

FOTAL NUMBER OF OBSERVATIONS: PUB

GLOBAL CLIMATOLOGY BRANCH USAFETAC Ale acather service/mac

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CELLING VERSUS VISIBILITY FROM HOUSELY OBSERVATIONS

\$ 12	ATTON NO	UMPER:	734096	11412	ON WAME	: 4C GU	IRF AFE	VJ				PERIOD				1530-17	an
	1. P.6	• • • • •	• • • • • •	• • • • • •	• • • • • • •		•••••			IN STATE							•••••
		r E	GE	GΕ	4 E	6.6	ωĒ	G F A 12 1	STEELT T	SE OE	. I	ι. 5 	G E	SE	₽£	GΕ	GE
	ET İ		6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	٠/١6	1/4	0
• • •	• • • • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •
40	CETE 1	à•?	4 ). 0	40.5	40.2	40.2	46.2	40.?	40.2	40.2	40.2	40.2	43.2	47.2	43.2	40.2	40.2
Gr	200001	9.7	49.6	48.7	48.9	49.9	48.9	40.9	48.9	48.7	48.5	44.9	48.9	49.9	48.9	48.9	46.9
	landol	9.7	48.6	49.7	43.7	48.9	48.9	48.9	48.9	49.5	48.5	40.9	48.9	49.9	46.9	49.9	48.9
	16737	9.7	40.6	42.7	44.9	49.9	48.9	46.9	48.9	48.9	48.9	40.7	48.9	48.9	48.7	49.9	48.9
	14.50	3.9	43.4	43.6	47.8	49.8	45.8	49.8	49.8	49.3	49.6	47.9	49.8	49.9	49.8	49.8	49.8
. · ·	120001	13.5	5 3.5	51.0	c1.2	51.2	1.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
ų r	100001	10.2	F 2.4	52.6	52.3	52.8	52.8	52.8	52.8	52.2	52.8	59	52.6	52.9	52.8	52.8	52.8
٦, ٦	90001		52.6	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.C	57.0	53.0	53.0	53.0	53.0	53.0
5.5	8-221	17.6	56.6	57.1	67.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
6,5	17011	10.7	53.1	58.7	59.0	59.J	59.0	59.3	59.0	59.0	59 . C	57.7	59.0	59.7	59.3	59.0	59.0
ıſ	23UD	10.7	6 6 • 1	59.7	60.J	P.U. D	60.0	69.3	60.0	60.7	63.C	67.3	60.0	60.0	60.D	6ე•ე	66.0
1, F	50001	10.9	61.8	62.4	63.0	63.2	63.2	63.3	63.2	63.2	63.2	67.2	63.2	63.2	53.2	63.2	63.2
4.0	45.00		64.7	65.4	66 • J	65.4	66.4	56.4	66.4	06.4	66.4	65.4	65.4	66.4	66.4	65.4	66.4
45	4 1031	11.2	63.9	77.2	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
i, F	35001	12.1	74.3	75.4	76.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
ωF	31,001	13.3	7 4.3	87.1	61.3	82.0	82.2	95.5	€2.2	02.2	92.2	8 ~ • 2	# 2 • 2	62.2	92.2	82.2	82.2
6.5	25014	13.4	97.9	82.3	43.4	84.4	84.7	84.7	94.7	84.7	34.7	84.7	84.7	84.7	94.7	84.7	84.7
3.0	2000	13.4	21.6	82.9	44.4	85.7	55.9	95.9	35.9	85.9	95.9	80.0	55.9	85.7	85.9	85.9	85.9
5.5	15:271	13.4	°1.8	83.2	F4 . 3	86.0	56.2	86.2	86.2	86.2	26 . 2	85.2	P6 . 2	86.2	P6.2	85.2	86.2
, ۲	1:001		32.2	33.7	95.6	85.9	37.1	87.2	37.2	67.2	87.2	87.2	87.2	87.2	97.2	67.2	87.2
', F	10001	17.6	a 3. 0	84.6	∂t • b	84.3	₽8.7	88.8	88.8	48.9	98.5	8 P • R	35.6	88.8	₹8.8	8.85	88.5
(, =	10001	13.6	23.3	35.7	68 . i	90.2	95.6	90.7	93.4	¥0.7	90.9	90.9	90.9	93.9	90.9	90.9	90.9
.a.∈	2:01	13.5	9 2 . 3	85.7	88.1	90.4	90.8	97.9	21.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
٠, -	9331	13.6	93.8	86.1	93.7	91.1	71.6	91.7	71.8	92.0	32.0	92.5	92.0	92.3	92.3	92.0	92.0
3.5	7001	13.6	8.500	86.2	37.	91.6	92.3	92.2	72.6	92.8	22.9	97.9	92.9	92.9	92.9	92.9	92.9
15	6631	13.6	34.1	86.6	89.3	92.3	72.7	93.1	93.4	73.7	94.1	94.2	94.2	94.2	94.2	94.2	94.2
5 (	5.31	13.6	24.1	36.7	39.5	93.6	94.3	94.7	95.1	95.3	96.1	96.2	96.2	96.2	96.2	96.2	96.2
, J.		13.6	94.2	36.5	67.8	94.2	95.1	95.7	36.1	46.3	97.2	97.4	97.4	97.4	97.4	97.4	97.4
1,7		13.7	34.4	87.7	93.3	94.7	95.9	97.0	98.3	96.2	39.2	92.4	99.4	99.4	99.4	99.4	99.4
, 5		13.7	44.4	87.3	96.J	94.7	96. L	97.1	98.1	98.3	79.3	97.6	99.7	99.7	99.7	100.0	100.0
, "	1331	13.7	34.4	87.J	٠٠.٢٥	94.7	76. ù	97.1	98.1	≯8 • ?	99.3	97.6	99.7	99.7	99.7	100.0	100.0
3,5	~1	17.7	^4.4	87.3	90.0	94.7	٥٥. ن	97.1	93.1	98.3	99.3	97.6	99.7	99.7	99.7	140.0	100.0

TOTAL NUMBER OF 0. SERVATIONS: 940

DEAL CLIMATOLOGY BRANCH USAFERAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURPENUE OF CETLING VERSUS VISIBILITY FROM FOURLY OUSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PERIOD OF RECORD: 79-87 MONTH: APR HOURSILSTI: 1800-2000 VISIBILITY IN STATUTE MILES VISIFILITY IN STATUTY MILES

OF GE GE GE GE GE GE

4 3 2 1/2 2 1 1/2 1 1/4 1 1/4 17 | GE FEET | 1" Sŧ 5F 5/16 5/8 1/2 1/4 40 CETE | 3.4 45.6 45.6 45.7 45.7 45.7 45.7 45.7 ar 20001 5 1 . 3 5 1 . 7 5 3 . 7 7.6 53.2 53.2 53.2 5 3 . 3 53.3 5 * . 3 43.3 53.3 53.3 53.3 53.3 53.3 53.3 9.6 53.6 53.6 53.6 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.6 or lenust 9.6 53.0 53.7 53.7 53.7 53.7 53.7 53.7 53.7 55 141 311 65 12 1331 9.6 53.0 53.3 ,3.0 53.9 53.9 53.9 53. 4 53.7 53.9 51.7 53.9 53.9 53.9 53.9 53.9 4.6 54.0 54.6 54.7 4 . 7 54 . 7 54.7 54.7 54.7 UT 10001 55.7 55.7 55.7 55.5 55.8 55.8 55.8 55.ª 55.H 55.2 55.7 67.7 55.8 55.8 55.8 55.8 55.8 9739| 9.7 8739| 10.0 7740| 10.1 υ... [, **r** 56.2 62.6 55.2 56.2 66.2 65.7 55.2 56.1 56.1 56.2 60.7 55.2 56.2 40.2 52.5 63.3 60.3 60.7 69.7 60.7 62.6 52.6 62.6 62.2 62.6 62.6 62.6 62.6 62.6 6:311 12.1 63.6 63.9 63.9 63.4 03.7 67.7 63.9 63.9 63.9 \$0001 10.6 45301 13.7 47331 10.8 37331 11.4 1, E 5 E 9 E 67.6 71.7 67.6 71.9 74.2 66.6 56.7 67.2 67.6 67.6 67.6 67.6 67.6 67.6 67.6 67.6 67.6 £ 7.6 71.9 73.0 72.1 75.6 71.7 77.7 71.3 71.9 71.9 71.9 71.9 71.9 71.9 71.9 72.9 74.2 74.2 74.2 74.2 74.2 74.2 74.2 17.0 77.3 77.8 77.3 77.8 77.6 77.8 77.8 76.3 77.1 17.7 77.8 77.6 77.8 91.4 81.4 95 95 97 27331 11.6 2.331 11.6 18341 11.6 • J. J 91.1 42.2 83.2 23.4 83.4 93.4 83.4 23.4 97.4 93.4 93.4 P 3 . 4 63.4 93.4 37.7 82.J 82.6 63.2 63.3 84.3 84.6 85.2 84.7 85.3 84.7 85.3 94.7 95.3 84.7 85.3 84.7 P5.3 84.7 85.3 94.7 85.3 84.7 P4.7 84.7 35.3 85.3 17001 11.6 °2.1 34.9 86.8 85.3 36.9 P6.8 66.8 13.6 87.4 87.4 87.4 87.4 86.7 57.0 87.4 A7.4 87.4 47.4 87.4 a. . . 3 99.3 87.3 89.3 95.7 87.9 88.8 R9.3 49.3 93.9 43.0 34.5 89.4 90.0 90.0 91.0 90.0 91.0 91.7 93.0 97.0 つご月 11.6 84.6 59.0 90.0 93.0 90.0 G.E. 3001 11.6 96.4 89.2 99.9 91.6 91.7 91.0 91.0 91.7 37.1 90.4 93.9 91.7 91.7 6431 11.6 35.1 97.3 91.7 92.4 92.4 92.4 5001 11.6 44.0 ıE. 45.4 87.7 21.3 92.3 93.3 34.2 94.3 94.4 94.4 94.4 94.4 C4 . 4 94.4 94.4 4471 11.6 2301 11.6 24.1 95.7 95.9 95.9 75.9 95.9 85.0 92.3 92.1 93.3 93.3 75.6 95.9 95.9 38.0 94.3 75.6 t, f 24.1 35.6 B3.j 95.1 96.6 96.7 97.6 97.7 97.7 97.7 97.7 97.7 97.7 2001 11.6 94.1 a 5 . 6 72.1 93.3 95.2 95.2 97.9 97.2 98.4 90.7 98 • 7 98 • 7 99.1 99.3 99.4 99.4

27.0 97.2

99.3

TOTAL NUMBER OF DRISERVATIONS: 933

46.4 97.1

93.3 95.2

01 11.6

GLOBAL CLIMATOLOGY BRANCH BSAFLTAC Ale Weathfr Servicemac

## PERCENTAGE FRIGUENCY OF GCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOUSELY OBSERVATIONS

STATION NUMBER: 7:4095 STATION NAME: MCGUIRE AFB NU	STATION	NUMBER:	7:4095	STATION VAME:	MCGUIRE AFB NJ
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					ON YMME:							MONTH	: APE		(ĹST): .		
	Lito	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • •				IN STATE				• • • • • • •	• • • • • • •		• • • • • • • • •
r	19   1 .f. f   1	SE 10	GE 6	G E 5	3£ 4		GE 2 1/2	3 o	6E 1 1/2	GE 1 1/4	G E 1	CE 3/4	G F 5 / 8	GE 1/2	GE 5/16	GE 1/4	95 C
• • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •		• • • • • •	• • • • • •	• • • • • • • •
74.3	C*. I ( )	7.7	47.4	5.3 + 7	53.9	51.1	51.1	51.1	51.1	51.1	° 1 • 1	51.1	51.1	51.1	51.1	51.2	51.2
1,7	2.0001	8.2	54.9	55.1	56.3	55.6	5 t . 6	56.6	56.6	56.6	56.€	54.6	56.6	56.6	56.6	56.7	56.7
15	16: 111	9.7	54.9	55.1	20.3	56.6	56.6	56.6	56.6	56.6	e6.6	56.6	56.6	56.5	56.6	56.7	56.7
٠, ٣	160001	a.3	54.9	56.1	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.5	55.0	56.7	56.7
	140001	. 4.6	15.1	56.3	56.5	56.8	E 6 . B	56.8	56.8	56.0	°6.6	56.8	56.3	56.9	56.8	56.9	56.9
1, 6	ionsat	9.6	26.2	57.2	57.4	57.7	57.7	57.7	51.7	57.7	57.7	57.7	57.7	57.7	£7.7	57.8	57.8
, :	1:7351	5.7	54.2	59.4	59.7	57.9	59.9	59.9	59.9	59.9	59.9	50.9	59.9	59.9	59.9	67.0	66.0
., -	97471	9.7	59.7	59.7	63.1	62.3	60.3	60.3	53.3	60.3	60.3	67.3	60.3	60.3	60.3	60.4	60.4
10	57371	9 . Ç	63.0	54.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	45.3	65.4	65.4
Ç.F	70001	9.5	53.7	65.4	55.7	66.3	66.C	66.0	66.C	66.7	66 • C	66.7	66.3	66.7	66.0	66.1	66.1
(, F	6131	9.7	64.7	56.4	66.7	67.0	67.5	67.5	67.0	67.7	67.0	67.7	67.0	67.3	67.ū	67.1	67.1
.,r	57001	9.3	(9.2	77.4	73.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71:2	71.2	71.3	71.3
'5 €	4".01	9.6	71.2	13.6	74.2	74.6	74.7	74 . 8	74.9	74.5	74.8	74.8	74.8	74.8	74.8	74.9	74.9
, -	- 4∈aci		71.2	75.8	70.4	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3
1.7	35.71	9.9	74.8	77.3	73.3	73.6	76.8	78.9	73.9	76.9	78.9	79.1	79.1	79.1	79.1	79.2	79.2
(,F	3:001	10.0	77.3	3 1.0	35.7	01.3	91.6	61.A	81.9	81.9	01.9	8 7 • t	82.1	82.1	P2.1	62.2	82.2
4.5	25001	10.0	7 3 . 3	81.1	92.0	62.7	52.9	87.1	83.2	83.2	93.2	A 7.4	33.4	a 3 • 4	P3.4	83.6	93.6
١.	27331	10.0	78.8	d 1 . u	82.6	83.2	83.4	83.7	83.8	03.3	93.9	84.7	P4 . C	94.0	94.3	84.1	84.1
" ر	44.30	10.0	79.0	61.4	22.5	33.4	83.7	83.9	94.0	34.7	94 . C	84.2	84.2	84.2	24.2	34.3	84.3
7,5	15001	10.0	79.2	92.1	33.1	53.8	84.0	84.2	34.3	04.3	84.3	04.6	84.6	94.6	84.6	84.7	P4.7
V.S	1001	17.7	79.7	92.7	83.7	84.6	95.J	35.4	55.6	05.6	95.6	85.2	95.8	85.8	85.8	85.9	95.9
n f		10.0	79.6	83.3	د . با ۵	85.3	45.9	85.4	30.7	85.7	96.7	86.9	96.9	86.7	26.9	87.0	87.0
SE	3001	10.0	79.8	83.1	44.1	05.4	P6.4	87.0	87.2	a7.2	97.2	87.4	97.4	87.4	97.4	87.6	87.6
, r	8.271	17.0	13.2	33.5	84.7	06.7	P7.3	89.1	90.3	89.3	98.3	89.6	88.6	39.6	98.6	88.7	88.7
or C	7.31	12.0	30.4	83.3	24.9	87.3	88.2	89.7	89.3	49.3	89.3	89.6	89.6	39.6	99.6	89.7	89.7
, ,	67:1	19.0	30+6	83.9	85.0	87.7	89.0	80.8	77.1	90.1	າວ.1	97.3	90.3	90.3	90.3	90.4	90.4
4,7	5601	13.0	31.1	84.3	85.9	89.6	91.C	92.3	92.7	92.7	92.7	97.9	92.9	92.9	92.9	93.D	93.0
i, ∈	4331	10.0	91.1	84.9	36.3	97.1	72. C	93.6	94.0	94.7	24.0	94.2	94.2	94.2	94.2	94.3	94.3
ųΓ		10.0	71.1	54.9	43.2	93.3	92.2	94.1	75.1	75.1	95.2	91.7	95.7	95.7	95.7	95.8	95.8
يا ره	1001	10.0	11.1	84.7	86.2	90.3	22.3	94.4	95.6	95.7	96.4	97.2	97.2	97.6	97.8	98.0	98.1
4.5	:201	10.0	21.1	84.7	36 • 2	97.3	92.3	94.6	75.7	95.9	96.9	97.9	97.9	99.3	98.7	99.0	99.4
61	J-1	17.0	-1.1	84.7	90+2	97.3	42.3	94.6	95.7	95.A	96.9	97.9	97.9	98.3	98.8	99.2	100.0

FOTAL NUMBER OF ORSERVATIONS: 012

GLESAL CLIMATOLOGY BRANCH GSAFETAC AIR SEATHER SERVICEMAC

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OUSERVATIONS

STATICN NUMBER: 724396 STATION NAME: MCGUIRE AFB NU

STA	TICH N	UMPER:	724396	51411	ON NAME:	MC GU	IRE AFB	11				MCM1E. DEB10D		ORU: 78	-87 (LSII:	ALL	
	UPG									IN STATE							
	4 1		GE.	GI	GΕ	GE	6	U F	36	6:	ĢΕ	C.F	G {	5 £	GF	eF	GE
Fι		1.7	t	خ	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	C
	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •		• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •
1.0	CFIL	5.9	44.3	45.1	45.4	45.6	45.7	45.7	45.8	45.0	45.9	45.9	45.8	45.9	45.9	45.9	46.0
	•	•										. •			•••		.0.0
	201031	7.0	5 7 . 4	51.3	51 • 7	51.9	52.0	52.0	52.1	52.1	c 2 + 1	57.1	52.1	52.2	52.2	52.3	52.3
	187601	8. "	53.6	51.5	51.5	52.1	5.2.2	52.2	52.2	52 • 2	52 . 3	5.7 • 3	52.3	52.3	52.3	52.4	52.5
	160001	8.0	ເ ລ• ຄ	51.5	51.9	52.1	52.2	52.2	52.2	52.2	52.3	5.7 • 3	52.3	52.3	52.3	52.4	52.5
	147301	ڻ ۽ ۽	53.9	51.9	15.5	57.4	52.5	52.5	52.5	52.5	52.6	5 . 6	52.6	52,5	52.6	52.7	52.6
65	izranı	6.2	1.7	52.6	93.0	53.3	5.3.3	53.4	93,4	51,4	53.4	5 4 . 5	53.5	53.5	53.5	53.6	£ 3.7
6.5	12221	9.4	53.9	54.3	95.2	55.5	rs. 5	55.6	55.6	55.6	\$5 • 6	55.7	55.7	55.7	55.7	55.8	55.9
u f	90001	8.4	54.1	55.1	55.5	55.7	55.8	55.6	55.8	35.6	55.5	55.9	55.9	55.0	56.0	56.1	50.1
4.5	ادراد	8.7	58.0	59.2	59.7	67.0	60.1	67.1	60.1	07.1	60.2	67.2	67.2	60.3	63.3	60.3	60.4
į, r	71001	по	19.4	60.6	61.4	61.5	61.5	61.6	61.6	01.6	61.6	61.7	61.7	61.7	61.7	61.8	61.9
Ü.E.		9.0	60.2	61.5	62.0	62.4	62.4	62.5	62.5	62.5	62.6	67.6	62.6	62.6	62.6	62.7	62.8
							32.	•••	42			• • • • • • • • • • • • • • • • • • • •				•••	
٠, ٢	5not	7.1	62.9	64.5	55 • 2	65.5	65.7	44.1	65. A	65.¤	64.6	65.0	65.9	65.9	65.9	66.0	66.1
r. r.	45 651	7.2	66.1	67.8	66.5	69.i	69.2	69.3	69.3	u9.3	59.3	60.4	69.4	69.4	69.4	ა^.5	40. V
₹. <b>F</b> .	4-001	0.4	69.2	71.1	71.9	72.5	72.7	72.8	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.1	73.2
13 E.	31 001	9.9	12.6	74.3	74.7	15.6	75.8	75.9	75.9	76.3	76 . C	76.1	76.1	76.2	76.2	76.3	70.3
G.F	3, 001	10.7	*4.7	77.1	78 • 1	79.9	79.1	77.7	74.3	79.3	79.4	70.5	79.5	79.6	79.6	19.7	74.7
t, F	21001	17.3	76.4	78.7	79.9	60.6	81.1	81.3	91.5	81.3	91.4	81.5	91.5	81.5	91.5	81.7	81.7
5	anaci.		17.2	70.5	EG • 9	61.9	82.2	82.3	82.4	82.4	32.5	82.5	P2.6	82.7	62.7	12.8	82.8
i. L	18501		77.4	79.E	81.1	82.1	F2.4	82.7	82.7	62.P	82.6	82.7	82.9	83.7	93.0	03.1	83.2
i, F	15021		78.3	e 11.5	Faru	83.1	P 3 . 4	83.7	83.8	02.6	93.9	97.9	R 3 . 9	84.3	64.0	84.1	P4.2
G.F	12071		7n.6	81.5	F2.9	84.2	F4 • 6	84.7	85.6	65.1	45.2	85.7	95.2	85.3	95.3	85.4	85.5
		•		0.00						٠,٠.	,	<b>0 1</b> 1	,,,,,	00.0	3.0	0,.	( ) • 0
f- F	10001		79.1	0.58	F3.4	85.5	P6.0	86.4	86.7	86.7	96.9	87.n	87.5	67.1	87.1	87.2	97.2
ιĘ	0131	10.5	77.2	62.2	84 • Z	66.0	86.5	86.9	61.2	67.2	27.4	87.5	R7.5	87.5	97.6	87.7	67.8
CF	F.001	10.5	79.5	€2.6	34.8	£6.6	a7.3	87.8	80.2	58.3	PR.4	8 P . 6	88.6	58.7	88.7	88.8	86.8
(, F	7 ( 0 )	16.5	74.7	62.9	P 5 . 2	87.4	16.1	88.7	99.2	89.2	89.5	89.6	P9.6	89.7	94.7	89.8	P9.9
υ <b>!</b>	£ (!^ [	17.5	° 0 • 0	B 3 ⋅ 3	85.7	69.5	85.3	97.1	96.6	90.7	71.1	91.2	91.2	91.4	01.4	91.5	91.6
6 F	1 1	10.5	- 5, 3	63.6	ME . 4	69.8	9.0	92.1	92. E	92.9	73.4	93.6	93.6	95.8	93.8	93.9	94.0
of		10.5	# C. S	d 3 . 9	86.7	50.5	91.9	93.3	94.2	94.4	95.0	95.0	75.3	95.4	75.4	95.5	95.6
G F		10.5	9 2 • 5	84.7	PE . 9	97.5	9 2 4 9 9 2 4	94.2	99.2	95.7	96 • 5	97.2	97.0	97.2	97.2	97.4	97.5
(, F		10.5	15.5	64.	PE.5	911.8	92.4	94.4	75.5	96.2	97.2	97.3	98 - 0	99.5	98.6	98.9	99.1
i, r		17.5	40.5	84.	F6 • 9	9,1.6	62.4	94.4	75.9	96.2	97.3	99.1	98.1	98.8	99.0	99.5	99.8
., .	1	• •:	·. u • u	0 4 4	-0.9	7 ' <b>6</b> E	~ 2 • 4	74.4	73.7	70.0	71.5	, . • 1	44 • 1	7 G . F.	44.0	77.5	77.0
t, 1	1.1	12.5	:5	84.3	20.5	90.8	92.4	94.4	95.9	96.7	97.3	90.1	78.1	98.8	99.0	99.5	100.0

TOTAL NUMBER OF OPSERVATIONS: TOLL

VIE PLATHER SERVICENTYC FUNETYC CESTAS CETHVILLORA EMANCH

# FERCENTAGE FREQUENCY OF OCCUPPENCE OF CFILING VERSUS VISIPILITY FROM HOUSEY OBSERVATIONS

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				STATE								MONTH	. MAY		1651): 1		
	11.0	••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •		1-11 1T Y				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •
r f	. 1	6E 10	БĘ. 6	6E 5	ن. 4		6E 2 1/2	6 E	uf 1 1/2	UF 1 1/4	6 E 1	GE 374	GE 5/6	GE 173	GE 5/16	GE 1/4	G C
٠, ٠	CETL 1	t • 7	47.1	44.7	45.45	47.3	47.4	48.7	4 g • J	48.	48.0	40.0	48.0	48.9	սե.ე	48.1	48.3
13 F	. "531	7.1	46.7	48.7	50.0	57.3	54.3	52.8	52 • €	52.9	52.E	52.A	52.8	52.9	52.8	52.9	53.2
., 1	1erani	*.1	47.	48.6	50.1	52.2	52.4	52.9	52.9	52.9	e 2 . 9	57.9	52.9	52.9	52.9	53.0	53.3
	100001	7.1	47.5	48.5	5.7 • 1	50.2	52.4	52.9	57.9	52.9	52.9	5.00	52.9	52.9	52.4	53.0	53.3
1.5	10000	7.1	97.1	49.6	* 6 3	52.4	52.6	53.1	53.1	53.1	53.1	57.1	53.1	53.1	F 3 - 1	53.2	52.5
1.5	12101	7.1	47.3	40.2	531 - 5	52.6	92.8	57.3	53.3	53.3	53 • 3	5 7 . 3	53.3	53.3	£ 3 . 3	53.4	53.8
	13" 0"1	1.6	51.2	51.4	54.0	57.2	57.4	55.3	50.0	59.0	58.0	5 = - 7	58.0	59.0	58.3	58.1	58.4
65	7 301	7.6	1.4	53	55.2	57.5	57.7	58.2	50.3	58.7	CA - 3	58.3	58.3	58.3	53.3	59.4	58.7
73	8 Tab I	7.8	55.7	56.3	19.7	62.2	62.4	62.9	62.7	42.9	42.9	6 . 5	62.9	62.9	€2.9	63.0	63.3
10	7 251	F . C	- 7.5	50.1	61.5	(4.)	14.2	64.7	54.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	65.2
u.E	e-chi	9	3.6	61.3	0 8	65.3	65.5	66.2	56 • 0	65.0	66.5	66.0	66.0	66.7	66.3	66.1	66.5
		-									-	-	_				
G r	5-011	9. ?	61.1	64.	65.7	63.2	44.4	68.9	60.5	68.5	66.9	66.0	68.9	63.9	68.9	69.0	69.4
5.5	45.031	5.5	/ 3. 4	06.3	tob	17.8	71.0	71.5	71.5	71.5	71.5	11.5	71.5	71.5	71.5	71.6	71.9
€.	41001	0.6	64.4	67.7	69.7	12.4	72.8	73.7	73.7	73.7	73.9	75.9	73.9	73.9	73.9	74.0	74.3
₩.C	36.01	8.4	.6.1	69.7	71.7	74.4	74.5	75.7	75.7	75.7	75.9	75.0	75.9	75.9	75.9	76.0	76.3
w L	31001	8.7	67.2	73.4	73.7	75.3	76.8	77.6	77.6	77.5	77.8	77.A	77.8	77.8	77.8	78.C	70.3
υE	25001	3.7		7.3.0	74 - 5		•••	70.0	78.5	78.5	78.7	70.7	78.7	79.7	78.7	79.8	79.1
10 t.	27671	-	67.8 63.7	72.0		77.2 78.9	77.6 74.5		93.3	d 0 + 3	97.5	â7.5	90.5	4G.5	80.5	80.6	81.0
. F	1904	3.7	6 5 • 7 6 d • d	73.3 73.4	70 76 . 1	79.0	14.5	80.2 80.4	9.J. J	80.4	P0.6	80.5	80.6	80.6	94.6	80.8	81.1
1.0	1101	Α.	69.7	74.6	77.6	61.0	-1.5	82.4	a 2 . 4	5.7.4	22.6	80.6	92.6	82.6	P2 - 6	82.7	83.0
5.5	171	5.7	73.2	75.2	70.2	81.3 81.6	20.3	83.2	93.2	53.2	03.4	9. • C 8 * • 4	93.4	93.4	93.4	83.5	83.9
J :.	A I	9.1		13.4	16.2	C1.0	7.00	0.1.5	> 4	93.	" ; • <b>4</b>	5	* 3 • •	33.4	13.4	93.3	6317
۱, ۲	10001	8.7	71.2	76.3	19.5	82.9	° 3. 7	64.7	P4.7	04.7	£4.5	60.9	94.9	64.9	P4.9	85.1	25.4
1 6	9.1	a , ?	71.2	16.5	79.7	F 5 . I	F 2 . 9	84.4	84.9	64.7	85.2	85.7	85.2	85.2	R5.2	85.3	85.6
, r	5621	5.7	71.4	76.7	ز و[ ⊦	63.5	94.4	85.7	85.7	n = . 7	95.9	84.3	95.9	95.9	P5.9	86.0	86.3
1.5	7	ë. 7	71.6	77.1	ed.6	84.3	÷5.3	86.6	86.7	86.7	96.5	86.9	P6.9	86.9	P6.9	87.0	87.3
6 C	4001	9.7	12.2	76.2	31.0	65.7	87. i	69.4	۶۵.5	09.5	P 8 • 7	88.7	88.7	88.7	A8.7	88.8	89.1
, 5	Cat I	4.7	12.5	78.5	82.2	36.3	2 b • 2	89.7	47.9	59.9	23.1	٧~٠1	90.1	93.1	70.1	90.2	96.5
	951	9.7	2.6	18.5	42.0	87.6	99.2	91.3	71.5	11.6	91.8	97.7	92.2	92.2	92.2	92.3	92.6
, r		e . ;	2.7	78.9	3 2 4	28.2	39.2	97.4	93.4	93.5	93.5	94.7	94.1	94.1	94.2	94.3	94.6
6.4	5. 11	5.7	72.7	78.9	43.1	69.6	77.5	93.5	74.6	94.7	75.2	95.5	95.6	95.8	96.0	96.2	97.2
, 3	16.51	4.7	72.7	78.9	93.1	03.€	66.5	93.5	74.5	34.9	95.4	95.0	95.9	96 • 1	76.5	97.4	99.0
3.	• 1 1					9.7.6		7) ()	14.5	, , , ,	, , , 4	7	7347	70 1	****	, , • <del>•</del>	.,•0
u r	14	3.7	7 ? • 7	75.9	83.1	63.6	45	93.5	94.8	74.9	75.4	≯¤.a	95.9	96 • 1	96.5	97.4	100.0

TOTAL NUMBER OF OPSERVATIONS: 937

GLU AL CETMATOLOGY HEARCH : TIN MEATHER STRVICEPPAC

#### PURCENTAGE FRIWDENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 774395 STATION NAME: MCGUIRF AFB NJ

FEDIOU OF RECORD: 78-87 MONTE: HAY HOURSTESTE 3303-0506 CEILING NO CETE 1 5.2 33.6 47.6 45.5 41.5 44.1 44.7 45.5 45.1 of 2.7011 5.6 of 161311 5.6 of 161341 5.6 of 161341 5.6 42.4 45.3 44.3 44. ] 47.8 51.0 61.5 51.6 40.3 5 1. 6 51.6 51.4 51.4 51.5 51.6 42.6 51.6 51.6 51.7 50.0 50.0 50.1 50.1 53.9 53.9 51.2 51.2 51.7 51.7 51.8 45.4 43.5 44.2 57.9 50.0 51.6 51.7 40.5 51.8 51.0 51.6 1.7 46.3 46.7 49. 2 51.8 51.A 45.4 49.4 51.0 51.7 43.1 46. 47.1 49.2 51.0 51.6 52.5 52.6 2:31 44.4 47.8 51.0 12.6 53.3 54.2 54.5 54.0 5,4.9 55.1 50.1 55.2 45.4 05 97 001 65 67 001 65 77001 55.E 60.5 5.7 5.5 5.6 9.08 49.2 13.6 1.12 54.3 59.2 57.8 54.7 61.5 67.5 49.2 50.3 55.3 52.2 57.7 53.5 58.5 35.7 60.2 56.° 61.3 55-1 55.2 55.1 55.2 54. 61.2 63.1 61.1 57.1 54.8 56.7 59. 4 61.6 61.7 62.0 62.5 62.6 42.6 52.3 62.4 62.7 53.2 67331 63.1 5 45251 45251 45261 35271 53.2 55.8 77.4 63.9 64.9 65.4 64.4 66.9 66.9 66.9 67.0 58.0 61.5 63.1 46.7 66.3 49.1 67.5 52.5 65.3 65.3 66.9 61.0 69.5 71.7 63.9 69.9 77.7 73.3 70+1 72+4 6.1 65.1 63.7 76.1 72.4 6.1 6 • I 64.8 1, 1 56.6 60.4 72. 74.1 74.2 74.3 74.3 72.9 , E 5 3 - 1 64.2 67.4 77.6 71.6 74.1 14.2 74 . 4 74.7 74.9 75.1 75.1 75.2 75.2 25 .71 2 891 1-601 1507 1707 : ;* -7.6 74.3 75.7 75.8 15.9 73.7 75.3 75.7 75.8 75.9 64.7 60.2 71.5 77.4 74.9 6.3 69.4 72.6 73. 7 75 . 1 75 . 7 77 . 7 76.7 77.3 79.4 77.1 77.7 75.8 77.2 5 1.2 6 3.6 65.5 75.2 76.9 76.7 17.7 19.7 77.1 77.3 77.3 78.3 6.3 55.7 57.4 59.7 74.3 77.7 77.8 79.9 77.8 78.0 75.4 79.9 87.5 61.6 71.6 74.2 79.6 8043 83.4 83.4 : 371 9371 7371 7371 3].4 8].9 32.6 83.1 3 J . C 0.3 : 2.5 54.4 76.3 71.4 19.2 91.0 81.4 01.4 61.5 91.5 51.6 A1.6 6. ! 62.6 63.1 67.5 72.6 76.6 77.5 17.6 18.9 19.5 01.1 41.4 93.1 81.9 87.5 84.2 81.6 83.5 81.9 91.9 62.g 63.8 82.0 je Je 81.1 13.7 93.7 63.2 6.3 94.2 P4 . 3 69.7 74 . 1 73. . 79.5 93.5 94.3 84.5 P4.5 44.4 75 - 1 -5.3 - 4. 9 5.3 71.2 52.4 53.3 =3.9 95.3 66.5 87.7 89.5 R6.9 RR.2 93.0 87.3 97.3 57.4 97.4 87.6 54. 6.3 6.3 89.6 97.4 97.1 89.7 91.7 93.9 4691 7001 64.1 F4.2 71.3 A1.3 E1.3 85.5 87.4 97.4 39.1 86.7 91.2 88.9 89.1 76.3 98.6 70.5 64.2 70.5 3º . 3 71.4 94.4 91.3 50 6. 3 64.2 71.5 76.7 82.5 14.6 68.6 91.6 91.9 22.7 94.2 95.2 95.6 96.7 98.7 71 6.3 (4.2 u F 71.5 70.9 62.5 -40 € 68.6 91.6 91.7 97.7 97.9 94.2 95.2 95.6 96.8 100.0

FOTAL NUMBER OF OBSERVATIONS:

CELOCAL CLIMATOLOGY PRANCH CNAFFTAC FIR STAIRLE STRVICTMAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CUILING VERSUS VISIBILITY FROM HOUSEY OBSERVATIONS

STATION NUMBER: 754096 STATION NAME: MOGUIRE AFB NU PETINU OF PECOPO: 76-87 MONTH: MAY HOURSTESTE: 0600+0600 CHILING 34.6 4.1.4 41.1 4... 43.2 " CETE I E.F 43.2 43.7 45.4 43.4 45.4 50.2 50.4 50.4 44.5 47.5 45. 3 49.6 ... 50.2 7.4 42.7 40.1 4,,, 47.9 49. 50.2 50.2 20.2 18 18 1971 11 1871 11 31 147 2 1 53.2 53.3 53.5 50.4 50.4 50.7 4 . 4 45.1 44.1 44.2 40.0 40.2 50.2 50.4 50.4 50.7 7.4 51.2 52.2 50.5 50.4 50.4 41...3 ي ن ۽ 50.4 53.4 53.7 50.4 50.7 41.3 45.4 46.6 44.5 59.1 57.7 47. 5, 14, 1 11.1 51. 52.1 52.1 52.3 52.3 62.3 12.3 (* 1 % ) (* 9 60) (* 8 70) (* 7 61) (* 6 70) 51.5 51.5 56.6 57.6 12.5 56.0 57.0 57.7 56.4 57.8 57.7 17.2 48.1 14.0 44.0 56.0 57.2 57.2 57.2 57.2 7 . ! 40.4 56.7 57.7 55.4 50.7 64.4 65.6 64.4 50.0 46.0 Cy . J 64.1 64.7 64.4 64.4 64,4 61.6 4... 63.t 63.9 +4.4 62.5 64 . 7 45.1 65.6 63.7 45.6 ## #74.0} ## #74.0 ## # #71 56.5 57.7 58.6 62.5 67.2 67.5 60.4 08.5 66.3 64.9 3.4 61.4 64.2 65.2 67.5 68.9 70.3 71:1 71:7 10.2 70.5 77.7 76.7 72.4 73.7 72.6 73.7 13.7 12.6 7C.7 72.7 60.6 71.3 59.3 70.2 7-.7 73.1 7 * . . 13.8 73.2 أن اذ 64.4 4.7 . . 71.7 73.2 14 ... 74.6 74. 75.0 71.3 75.5 75.5 75.5 75.6 15.5 16.2 16.3 11.4 er . 7 45 . 4 44 . 5 75.2 76.2 77.0 77.1 21 / 1 21 / 1 18 / 1 72.4 14.1. 74.4 76.2 65.4 75.8 76.1 75.1 76.2 76.3 (1.7 7.6 9.6 66.3 75.7 75.8 76.9 77.U 77.1 77.1 73.2 76.1 76.5 74.7 76.4 77.3 77.1 75.2 77.3 76.E 77.7 77.0 11.071 67.1 7. . . 74.4 75.9 16.5 74.0 76.3 79.1 74.1 19.C 11 0" | 3 | 71 3 | 71 3 | 71 4 | 71 67.6 60.3 7. .1 71.2 73.7 76 · 6 17 · 7 74 · 9 87.5 87.5 0.4 79.4 # J. 1 RO.5 8 J . E 67.7 A û . 4 8 J. 9 n 1 . 1 , ; 1 1.1 79.2 F=-2 00.7 01.8 91.5 F2.5 81.6 82.7 91.9 H2.2 33.5 82.3 83.6 92.3 93.0 82.3 3.78 82.5 83.7 G . f - 4.6 69.4 3.6 .4.7 62.9 72. 74.5 91.3 83.1 04.1 04.5 44.0 04.5 84.7 84.9 64.9 F 5 . G 10.0 50.1 55.3 35.0 36.1 96.1 P6.2 86.2 72.3 64.3 85.4 96.3 86.3 1°.0 1°.7 7°.0 75.5 85.7 87.1 88.5 ٠1.. F 3. 6 67.5 P8 . : , c . t, 88.5 99.7 98.7 69.8 A 0 . 4 65.3 5.1 9 ... l 2. 1 l 7.6 #1.9 62.3 €4. € 85. 9 95.9 89.7 91.4 91.4 91.8 91.9 0.5 90.4 91.7 91.7 94.8 93.7 94.5 94.6 97.2 97.8 7. .. 82. 1 15.9 BP . 7 5 1. 7 94.9 98.0 +1.4 . 5.1 : . 1 7.1 76 . 2 85.5 8 E . 7 92.7 93.3 34.3 \$5.3 97.2 97.7 98.4 99.7 4.0 1 0.6 4.4.4 7 - - -71. . . 82.9 +5.9 88.7 93.7 91.9 93.3 94.9 95.3 97.2 91.7 98.4 106.0

TOTAL NUMBER OF DISERVATIONS: 32,

CLIMAL CLIMATCLOGY PRANCH (INFETAC ATC WEATHER SERVICE/MAC

#### FENCENTAGE FREQUENCY OF CCCUMPENCE OF CFILING VERSUS VISIBILITY FROM FOLVLY OBSERVATIONS

PEPIOD OF RECORD: 78-87
HONTH: MAY HOURS(LST): 6900-1166 STATICH NUMBER: THASAR STATION NAME: MOSUIRE AFR NU VISIPILITY IN STATUTO MILES . . . . . . . . . . . . . ........ CILLIP 17 | 6E FEET | 17 6E GE GE 7 1 1/4 G E G E GE LE ĿΕ GE GE GΕ 3 2 1/ . £ 7/4 5/8 1/2 5/15 1/4 С SPICERULE AND 41.7 42.5 44.1 44.3 44.5 44.5 44,5 44.5 44.5 44.5 44.5 44.5 44.5 44.5 44.5 68 2 11 5 M 57.. 57.1 57.1 12.4 12.5 12.5 9.1 44.1 -1.7 52.2 52.3 52.3 52.5 52.5 52.5 52.5 52.6 52.6 52.6 52.6 52.2 52.5 52.5 52.5 52.5 52.6 52.6 65 16 10 11 65 16 16 16 1 9.1 46.2 51.8 51.6 52.5 52.6 57.6 52.6 52.6 • 2 • 6 52.6 52.6 12.6 52.6 52.6 52.6 52.6 52.4 52.6 14700 45.4 50.3 t. . . . 52.7 52.5 52.8 52.8 52.8 52.8 53.7 49.2 51.. C. . . 57.3 53.5 53.7 53.7 53.7 53.7 : 3 . 7 10 1 0 1 17.6 10 0 0 1 17.9 11 0 1 11.2 - 2.7 · H . 1 59.7 19.0 59.1 59.7 4.1. 59.1 57.1 FG.1 59.1 59.1 59.1 54.1 4.9.1 14.0 56.5 64.5 59.2 6.6 ζο, 7 c ; . 7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 5900 60.5 62.7 68.7 64.5 65.5 64.1 54.1 64.1 64.1 7761 1 11.4 59.1 59.1 61.7 64.3 65.6 45.6 65.6 65.6 65.4 65.4 55.6 05.6 65.6 65.6 65.6 65.7 65 e d 51. 64.4 5 001 11.4 47.11 11.4 4003 11.6 77 21 10.7 5 001 10.7 61.2 62.2 5 3 . 2 6.7.2 £ 7.4 67.6 67.6 1,6 . . 67.6 67.€ 67.6 57.6 67.6 67.6 54. 66.3 69.4 69.4 16.3 69.5 69.3 69.5 64.5 69.9 60.5 68.5 69.5 69.7 65.5 64.9 69.5 68.5 58.2 71.5 71.3 72.0 73.1 73.4 73.4 73.4 73.4 73.4 73.4 73.4 73.4 41.8 75.6 77.3 71.3 74.9 77.1 77.3 77. 7 77.3 77.3 77.3 77.3 77.3 , , 25 5 31 17.7 73. 76.0 72.2 7= . /, 79.9 78.9 75.9 7°.9 8'.0 81.5 8'.7 78.9 78.5 78.9 78.7 78.9 78.9 2 02| 12.7 1503| 12.7 1504| 17.8 1750| 17.8 #1.2 -3.3 #1.5 67.7 71.5 87.1 81.3 31.5 91.0 76.2 01.0 91.3 31.3 *1.j 61.0 1. 1 67.6 51.5 21.5 33.7 61.5 33.7 74.8 74.7 81.5 41.5 91.5 P1.5 43.5 76.7 12.4 93.7 53. 7 03.7 33.7 93.7 h4.7 45.3 85.7 95.7 45.7 10021 12.5 2011 12.8 4041 12.8 70.5 98.5 93.7 74. 1 63.3 67.1 27. 7 88.4 97.5 90.5 9.5 99.5 96.5 × c . 5 90.5 91.8 99.2 24.4 19.2 97.9 95.6 11 5 54.4 49.0 87.7 97.0 91.9 33.3 90.0 P5.5 91.3 4.7 19 .. 96.4 91. 91.3 21.6 91.8 ٠.. و 69.5 11.7 10. 7001 1200 74.0 2 L . . 91.4 93.1 ¥3.2 93.? 25.3 93.3 93.3 93.3 93.3 80.2 ٠... 94.4 94.4 ¢4.4 74.2 94.4 94.1 04.2 94.4 9071 12.9 *5.1 30.4 و. راد 92.7 95.6 93. ₺ 25.5 16.5 76.0 76.9 96.4 "6 . 6 90.8 96.8 96.8 400 17.8 700 12.0 75.1 75.2 37.4 47.1 37.5 92.8 98.1 99.4 98.4 99.4 99.8 78.4 98.4 99.8 96.4 94.3 96.5 17.3 +7.4 04. 7 17. 3 - . 2 y 9 . 5 1381 12.8 75.2 75.2 s 7.7 93. 79.2 90.4 99.3 100.3 100.0 100.0 ,3.5 96.2 SΕ 97.5 3 . . 9 93. 24.9 97... 79.2 99. 90.0 29.6 62.3 100.3 100.0 100.0 11 12.8 75.2 93.3 47.2 80.5 H1.5 94.9 74. 2 48.5 29. -69.9 99.8 99.9 103.3 100-0 100-0

TOTAL NUMBER OF ORSERVATIONS: 430

SECRETAR CLIMATOLOGY PRANCE A THE WEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CELLING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 724795 STATION SAME: MCGUIRE AFB NU PERIOD OF PECORD: 78-87 MONTH: MAY FOURS(LST): 1230-1406 40 CETE 1 7-1 ₹3.8 38.6 39.3 39.2 39.2 39.4 39,4 17.4 19.4 39.4 30.4 74.4 : 4.4 39.4 sr annual 48.5 47.1 49.1 47.2 49.2 40,7 47.1 49.2 43,2 49.2 45.6 49.2 49.3 49.2 49.0 JE 14127] A.4 45.7 48.4 40.5 49.2 49.2 49.4 49.4 49.4 49.4 40.4 49.4 49.4 49.4 49.4 4 + 4 68 16 140 | 8.8 35 140 01 | 6.8 55 12001 | 8.8 49.2 49.4 35.7 43.4 49.2 49.2 49.4 47.4 49.4 40.4 49.4 49.4 49.4 47.4 44.4 49.9 49.8 47.4 49. -46.1 44.0 44.7 45.7 49.9 49.8 49.8 49.8 44.5 49.0 53.F 50.3 57.8 · ... -56.0 56.1 56.1 56.1 (6.) (0.) · . . . 52.7 55.5 55.5 59.4 56.5 55.9 59.9 56.8 59.9 56.9 60.0 56.9 5J.0 56.9 63.0 56.9 60.0 54.9 61.0 50.9 50.0 56.9 6).7 56.9 · ... 59.0 67.3 61.5 01.7 5 571 11.0 53.3 51.2 6.4 62.7 62.7 67.8 62.5 62.5 62.8 52.5 12.0 3001 11.2 45.31 11.0 4003 11.9 3.301 17.4 3.001 14.0 65.4 65.4 45.4 . . . 65.3 65.4 55.4 65.4 65.4 10.5 57.4 64.3 65.3 67.6 67.5 52.5 67.5 67.6 67.5 51.2 67.5 67.5 67.6 56 ... 47.t 67.6 64.0 63.6 67.5 70.1 77.2 7J. 2 73.2 70.2 75.5 10.2 13.2 75.5 • , , . . 73.7 15.4 75.5 15.5 57.5 15.4 75.4 15.5 75.5 84.0 66.7 97.4 25 27 14.0 77.5 31.b 83.3 8 T. A - 3. 9 94.0 34.0 54.0 94.0 84.1 89.° 2 31 14.0 77.2 9 1 . 9 3 4 . 4 45.5 30.3 85.2 87.2 56. U 86.2 96.2 37.4 86+2 87.4 26.2 97.4 81.9 87.4 . 47.4 87.6 92.2 99.5 85.7 87. 99.6 87. 27.1 99.6 91.5 91.7 22.2 92.0 1 301 14.0 9027 14.5 9001 14.0 7301 14.0 90.2 92.5 26.8 ٠., 11.6 57.2 91.2 23.2 13.2 93.3 . . . . -1.7 37.4 43.7 93.3 93.7 94.1 94.1 94.1 •"•! •"•! .... +4.1 94.5 94.0 96.0 -1.7 57.5 91.4 94.2 94.9 74. 4 75.1 • • • 95.2 96.0 26.1 -1.9 47.9 92.0 35. 5 1001 14.0 22.2 38.4 92.6 96.1 46.6 98.5 94.4 431 14.0 731 14.0 730 14.0 , ; 12.2 39.4 92.6 96.2 95.6 96.9 33.5 34.3 11. , 9A.4 99.6 3 4 . 4 3 3 a C ... 1501 14. 59.4 22.6 99.6 G6.8 19.5 01 14.0 93.2 88.4 92.6 96.3 59.1

76.8

10.1.

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TOTAL NUMBER OF O SERVATIONS: 9.3

AD-A188 317	MCGUIRE AFB SURFACE HEATH TECHNICAL APP USAFETAC DS-		REVISED UNI	FORM SUMMARY ORCE ENVIRON	OF MENTAL	3/4
UNCLASSIFIED	USAFETAC DS-	1/082	CEMIEN 2COI	I A DEC E	G 4/2	HE
<u> </u>						



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GLURAL CLIMATOLOGY BRANCH USAFETAC AIR #LATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ PERIOD OF RECORD: 78-87 MONTH: MAY HOURS(LST): 1500-1700 VISIPILITY IN STATUTE MILES **************************** CEILING Ģ٤ GΕ GΕ FEET | 2 1 1/2 1 1/4 3 2 1/2 5 4 10 ь 1 3/4 5/8 1/2 5/16 1/4 D 40 CEIL | 7.0 41.5 41.5 41.5 41.5 41.5 41.5 41.5 41.5 41.5 41.5 41.5 41.5 65 200001 9.7 49.7 51.9 51.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 6F 18700| 6E 16000| 9.7 51.2 51 • d 51 • d 51.8 51.8 51.8 51.8 51.8 51.8 51.8 51.8 51.8 51.8 51.8 49.0 51.8 51.8 51.8 51.8 51.8 51.8 51.9 47.0 6.7 51.8 51.8 52.2 GE 120001 49.A 51.9 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.7 57.1 65 10000T 9.6 53.5 55.8 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 90301 9.7 80001 10.4 70301 10.8 58.1 58.1 58.1 62.8 S F. 54.5 56.3 58 . 1 58.1 58.1 58.1 58.1 5P.1 58.1 58 . 1 58.1 58.1 58.7 61.3 65.9 62.8 62.8 62.8 62.8 62.8 62.8 62.1 62.8 6 E 64.9 6 3 .4 64.8 64.9 64.9 64.9 04.9 44.9 64.7 64.9 64.9 64.9 64.9 64.9 65.5 65.6 05.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 67.1 50001 11.0 64.2 68.5 68.6 66.7 68.7 68.7 69.7 66.7 45001 11.2 47001 11.6 35001 12.9 69.6 71.6 75.1 71.6 71.6 75.1 ĢΕ 66.6 71.2 71.4 71.5 71.6 71.6 71.6 71.6 71.6 71.6 71.6 19.8 74.4 74.0 74.9 75.1 75.1 75.1 75.1 75.1 75.1 75.1 79.8 79.8 37001 13.3 85.1 73.8 32.3 84.8 24.9 85.1 45.1 95.1 8 . 1 85.1 85.1 P5.1 85.1 85.1 87.2 87.5 97.5 87.5 P7.5 üΕ 25,001 13.3 20.9 94.4 P6 . 6 87.3 87.5 87.5 97.5 87.5 87.5 87.5 29.6 89.6 89.6 20001 13.4 32.4 89.5 89.6 89.6 89.6 89.6 ĿΕ 86.2 A8 . 4 89.3 89.1 89.6 89.6 93.1 86.2 89.4 89.9 91.2 99.9 45 19001 13.4 89.7 85.5 89.3 89.9 89.7 89.9 59.9 89.9 89.9 15001 13.4 91.2 91.2 91.1 91.2 91.2 91.2 89.4 91.2 91.2 9C. B 91.2 115 93.1 45 11001 13.4 33.5 37.3 90.5 92.3 92.8 93.4 93.5 93.5 93.7 93.7 93.7 93.8 73.8 93.9 93.9 7001 13.4 2001 17.4 87.6 91.1 91.7 92.0 93.4 94.2 94.2 24.2 94.4 ωE 43.7 97. 3 94.3 94.1 94.1 94.3 94.3 94.4 -4.1 94.0 94.7 94.8 94.8 94.9 94.9 95.8 94.9 95 - 1 95.1 95.2 95.2 94.2 94.3 95.9 96.5 ŭ E 7001 13.4 = 4 . 4 A 3 . 7 92.5 34.7 95.6 95.7 95.7 95.8 95.8 95.9 96.0 96.0 96.6 88.7 96.3 92.5 96.6 97.4 97.5 97.5 99.9 92.7 97.2 97.2 97.4 97.4 97.6 95.6 96.9 5 F 6 C 6 C 4001 13.4 3001 13.4 97.2 98.4 34.4 39.9 72.5 95.3 97.7 97.7 98.2 99.2 98.2 98.3 98.3 98.4 95.9 09.4 99.5 -4.4 48.6 95.3 99.1 92.3 35.9 98.5 98.5 99.1 99.1 99.2 700| 13.4 130| 12.4 92.8 96.3 100.0 100.0 35 99.8 -4.4 92.4 95.4 96.0 91.3 93. 7 98.7 95.4 99.4 99.5 99.8 99.9 100.0 100.0 94.4 55 92.8 97.7 99.5 99.8 99.9 100.0 100.0 01 13.4 88.8 95.4 96.0 94.7 99.7 99.4 99.4

TOTAL NUMBER OF OBSERVATIONS:

0

930

SLUMAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER:	724096	STATI	ON NAME:	MC GU	IRL AFB	Lμ				PER10D	OF PEC	ORD: 78	-87		
										HONTH	: MAY	<b>FOURS</b>	(LST):	1800-20	00
	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	•• • • • •						• • • • • • •	• • • • • •	• • • • • •	• • • • • •	•••••
CEILING	cr		6.5					IN STATE						•-	
IN   GE FEET   10	GE 6	GE 5	GE		GE	GE	GE	GE	GE .	GE.	GE	GE	GE	GE	G€
	_	_	4		2 1/2		1 1/2		1	3/4	5/8	1/2	°/16	1/4	٥
• • • • • • • • • • • • • • • • • • • •								• • • • • • • • • • • • • • • • • • • •	• • • • • • •		• • • • • • •	• • • • • • • •	•••••	• • • • • • •	
NO CEIL   9.1	44.0	45.8	40 - 1	46.1	46.1	46.1	46-1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
											,,,,			,,,,	
8.4   [00:05:30	52.7	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GF 18000  9.9	52.9	54.3	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 167331 9.8	52.9	54.8	55.2	\$5.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
6F 140001 9.9	53.0	55.1	55.4	\$5.5	55.5	55.5	55.5	55.5	55.5	5 - 5	55.5	55.5	55.5	55.5	55.5
GE 120001 10.1	54.4	56.5	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
UE 18985  15∙8	57.8	60.0	63.6	61.0	61.3	61.3	51.0	61.3	61.0	61.0	61.3	61.0	61.0	61.0	61.0
55 <b>9500  15.8</b>	59.7	61.1	61.8	62.3	62.3	62.3	62.3	62.3	52.3	62.3	62.3	62.3	62.3	62.3	62.3
65 anon  11.3	62.6	64.9	55.7	66.6	66.6	66.6	66.6	66 €	56.6	66.6	66.6	66.6	66.6	66.6	66.6
65 7:30 11.9	64.8	57.6	64.4	69.2	69.2	69.2	69.2	5.60	69.2	69.2	69.2	69.2	69.2	69.2	69.2
6F 6707  11.9	65.4	68.2	56.9	69.8	69.8	69.8	69.8	69.9	69.€	64.8	69.8	69.8	69.8	69.8	69.8
				<b>.</b>											
GE 5000 12.2	59.3	71.1	71.9	72.0	73.0	73.7	73.0	73.0	73.C	73.9	73.0	73.0	73.0	73.0	73.0
UE 4530 12.2	70.3	73.1	74 • 7	75 - 7	75.9	75.9	75.9	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9
65 40001 12.5	73.1	76.5	73.3	79.5	79.7	79.8	79.8	79 • 8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
65 3500 12.8	75.4	79.1	91.2	3.58	82.8	83.7	83.C	83.0	93.1	87.1	83.1	83.1	83.1	83.1	83.1
JE 30001 12.9	77.4	81.3	83.5	85.2	85.4	85.6	85.6	85.7	85.8	85.5	85.8	85.8	<b>*5 • 8</b>	85.8	85.8
6E 25001 12.9	79.1	83.5	95.3	87.0	27.2	97.5	97.6	87.7	97.8	87.8	87.8	87.3	97.8	87.8	87.8
of 20001 12.9	79.E	33.5	95.9	87.5	86.2	88.5	99.7	33.3	98.9	88.9	88.9	88.9	98.9	88.9	88.9
UF 1250 12.9	79.6	83.5	85.9	87.5	88.2	89.5	98.7	88.9	98.9	58.9	88.9	38.9	88.9	08.9	68.9
UF 1550  12.9	30.0	94.1	96.6	89.6	89.0	89.5	97.7	89.8	9.9	87.9	89.9	39.9	89.9	89.9	89.9
95 17331 12.9	• 3.3	34.7	87.2	69.5	89.9	92.3	90.5	97.6	99.8	97.4	90.8	93.8	90.8	93.8	90.8
7. 1.001 1217	3.5	5	0,	0	.,,	,.,,	, , , ,	, , , ,			, , ,	7517	,0.0	,040	, 0.0
65 17Jel 12.9	43.5	85.2	67.5	93.2	90.6	91.1	91.3	91.4	71.5	91.5	91.5	91.5	91.5	91.5	91.5
60 9351 12.9	5 J. 5	85.2	87.7	90.5	91.0	91.4	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
6E 8JOI 12.9	31.C	35.6	99.2	91.3	91.7	92.3	92.5	92.6	92.8	97.8	92.8	92.8	92.8	92.8	92.8
57 7331 12.9	91.2	85.9	18.6	91.9	92.6	93.2	93.4	93.5	93.8	91.5	93.8	93.8	93.8	93.8	93.8
9E 6031 12.9	91.2	35.4	84.7	92.3	93.0	93.9	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
Sec. 5001 12.9	°1.5	35,3	37.	93.1	94.3	95.6	76.1	96.2	76.6	94.6	96.6	96.6	76.6	96.6	96.6
SE 4001 17.9	41.5	86.3	89.1	93.1	94.3	95.7	96.2	96.6	77.0	97.7	97.3	97.7	97.0	97.0	97.0
35 300 12.9	31.5	96.3	39.2	93.3	94.8	96.5	97.2	97.9	98.5	99.9	99.8	98.9	99.8	98.8	98.8
95   200  12.9	91.5	86.3	87.4	93.5	95.1	95.8	97.4	98.1	79.1	99.6	99.6	99.9	99.8	99.9	99.9
us :un 12.9	31.5	36.3	39 • 4	93.5	75.1	96.8	97.4	98.1	79.1	99.6	99.6	99.8	99.9	150.0	100.0
65 nl 12.9	31.5	86.3	4.46	93.5	95. 1	96.8	97.4		79.1	93.6	99.6	99.8		100.0	-

TOTAL NUMBER OF OPSERVATIONS: 937

GLOSAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

ATR "EATHER SERVICE/MAC

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PERIOD OF RECORD: 78-87 MONTE: MAY HOURS (LST): 2100-2300 CEILING VISIBILITY IN STATUTE MILES 6E G E _ 5 G E 4 GE GE GE 2 1 1/2 1 1/4 GE GE GE GΕ GE GE GE GE FEET 10 3 2 1/2 ₂/8 а 1 3/4 5/16 1/4 1/2 NO CETL 1 7.3 46.5 47.7 45.9 48.9 47.0 49.0 49.7 49.0 49.7 49.0 49.0 49.J 49.0 49.0 GE 201001 7.€ 51.1 52.7 54.2 55.1 5.3 55.3 55.3 55.3 55.3 55.2 G5 180001 G5 160001 G5 140001 55.5 55.6 55.9 7.8 7.8 51.4 53.0 53.0 54.5 54.5 55.4 55.4 55.4 55.4 55.5 55.5 55.5 55.5 55.5 55.6 55.6 55 • 6 55 • 6 55•6 55•6 55.6 55.6 55.6 55.6 55.6 55.6 55.4 51.7 53.3 55.7 55.7 55.8 55.8 55.8 55.9 55.9 55.9 55.9 6E 127301 52.3 53.9 56.7 56.7 56.9 56. 6 56.8 56.9 56.9 56.9 56.9 56.9 56.9 56.9 45.9 67.6 65 100001 8.5 57.6 59.2 67.5 60.5 63.6 63.6 67.8 60.8 63.8 60.8 60.8 60.8 61.8 57.7 62.2 63.7 65.5 67.D 61.0 65.5 67.0 61.0 65.5 67.0 90001 80001 56.C 59.4 63.6 67.9 63.9 00.9 61.3 61.0 61.0 61.0 8.5 8.9 6 J. d G.E. 61.9 63.5 65.3 65.3 65.4 65.4 65.5 70001 65.3 67.0 67.0 66.9 66.9 €6.5 66.8 66.9 67.5 67.5 67.6 67.6 70.1 5100) 9.5 65.1 66.8 66.4 69.9 69.9 79.7 70.0 70.0 70.1 70.1 70.1 70.1 77.1 70.1 4500| 4700| 3500| 72.6 60 9.6 66.9 68.9 68.6 70 • 6 73 • 1 72.5 12.5 72.6 72.6 75.7 79.6 72.6 75.7 72.6 75.7 79.6 72.6 75.7 72.6 75.7 79.6 72.4 72.4 72.5 74.8 75.6 79.5 75.6 79.5 75.7 75.2 75.6 75.7 9.8 79.6 79.6 79.6 72.5 74.5 76.49 79.0 73.5 ec.s 83.4 75.3 78.0 80.4 £2.5 92. 9 83.3 83.3 03.3 33.4 83.4 20 of | 12 00 | 15 00 | L E 9.9 76.0 76.0 78.8 78.8 63.5 63.5 94.0 84.4 24.4 54.4 84.4 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 81.4 84.5 81.4 64.6 64.4 84.4 9.9 79.4 85.3 ø5. I 95.4 8°.4 95.4 95.4 85.4 85.4 LΕ 12021 77.C 79.9 62.6 84.8 F5. 3 65.9 45. 9 85.9 P6 . C 85.7 P6.0 86.3 96.0 66.0 86.0 60.2 60.5 80.5 81.0 87.2 87.2 87.2 87.1 87.1 97.2 87.2 H7.2 87.2 t.E 17001 9.9 77.1 83.3 85.9 86.3 H7.1 9 ye | 6 0 0 1 9.0 87.8 77.2 77.2 P7.8 P7.8 67.8 88.2 A5.7 86.5 86.7 87.5 87.7 8F.1 67.A 87.8 87.8 LE 87.7 07.7 86.9 67.2 P8 . 2 (, F 83.8 98.1 88.1 89.2 P8 . 2 88.2 48.2 7001 0.9 99.1 89.1 80. P9.2 t, F 77.5 84.5 RE. 2 69.1 89.2 91.1 71.1 91.2 91.2 91.2 i, F 1001 9.9 82.3 67.7 92.4 92.5 42.5 92.6 92.6 72.€ 92.6 72.6 92.6 92.6 86.6 96.5 4001 7031 2001 1001 97.8 95.4 97.2 97.4 90.3 90.8 90.9 93.7 94.8 96.7 93.8 95.4 97.5 97.8 91.9 95.5 l l L r 0.4 82.6 82.6 86 • 3 93.3 93.7 94.8 93.8 93.8 43.8 95.5 93.8 95.5 78.7 91. š 9.9 78.7 9200 f. E 9.9 9.6 78.7 82.6 PL . 3 02.4 95.2 96.3 36.9 97.4 98.0 99.1 99.4 96.2 76.7 90.9 95.2 82.6 92.4 06.3 46.3 86.5 78.7 98.0 96.3 99.7 100.0 82.6 P( . 5 42.4 95.0 46.3 27.1

TOTAL NUMBER OF OFSERVATIONS: 938

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

## PERCENTAGE FREWDENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

5 14	ITION N	UMBER:	724096	STATI	ON NAME:	MC GU	IRE AFB	ΝJ				PEF10D HTMOM		ORD: 78	-8 7 (LST):	ALL	
	LING	• • • • • •	• • • • • • •	•••••	• • • • • • • •	• • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
	IN I	GŁ	CE.	GE	G E	GE	GE	Q F A 7 2 7	65	GE GE	GE WIL	GF F2	GE	GΕ	GE	GE	G€
	ET I	10	ě	5	٠, 4	3			1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	00
_		_									<del>.</del> .						
h O	CEIL I	7.0	41.3	42.6	43.4	44.0	44.2	44.5	44.5	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7
_	arenet																
	100001	5.1	47.3	49.4	50.5	51.4	51.7	52.0	52-1	52.1	52.2	52.2	52.2	52.3	٠2.3	52.3	52.3
	180001	P • 1	47.5	49.6	56.7	51.6	51. 9	52.2	52.3	52.3	52.4	57.4	52.4	52.5	52.5	52.5	52.5
	166.001	8.1	47.5	49.6	50.7	51.6	51.9	52.2	52.3	52.3	52.4	57.4	52.4	52,5	52.5	52.5	52.5
	140601	8.1	47.7	47.9	51.0	51.9	52+1	52.4	52+6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.8
υt	12565]	8.3	48.5	5.7.7	51.8	52.8	5 3 • 1	53.4	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7
GЕ	1600641	9.0	52.2	54.6	56.2	57.1	57.4	57.7	57.9	57.9	57.9	50.7	58.0	58.3	58.0	56.1	56.1
υE	91 501	9.1	52.7	55.2	56.7	57.9	58.2	58.5	55.6	58.6	58.7	50.8	58.8	58.8	58.8	58.8	58.9
Ü.E	60001	9.4	56.7	59.5	61.1	62.4	62.8	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.5
(, F	7-001	0.7	59.3	61.2	62.8	64.2	64.5	64 .F	65.0	65.7	55.1	65.2	65.2	65.2	65.2	65.2	65.3
GE	65401	9.7	58.9	61.8	63.5	64.9	65.2	65.5	65.7	05.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9
	- •		• • • • • • • • • • • • • • • • • • • •	• • • • •			0202	•									
6.5	50001	4.9	61.2	64.2	66.1	67.6	€6.6	68.3	68.5	68.5	48.6	6P.7	68.7	69.7	66.7	68.7	68.6
L.F	45 gg [	12.0	63.0	66.2	66.3	67.9	7C.3	79.7	71.8	72.9	71.0	71.7	71.0	71.1	71.1	71.1	71.1
6,5	40001	10.2	64.9	68.4	76 • 5	72.2	72.7	73.2	75.4	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.8
υE	35 (in )	10.7	67.7	71.3	73.5	75.4	75.9	76.4	76.7	76.7	76.8	76.9	76.9	76.9	76.9	77.0	77.0
G E	36601	10.9	69.9	73.8	76.3	78.3	78.6	79.3	79.5	79.6	79.7	79.8	79.8	79 . P	79.8	79.8	79.9
Ŀ٢.	25,02)		71.3	75.3	77.9	83.0	£ 0. 5	81.3	61.3	01.3	P.1.4	61.5	81.5	81.6	91.6	81.6	81.6
υC	5,,051		72.3	76.4	79.3	81.4	9 Z + U	82.5	82.8	82.9	P 3 • C	83.1	83.1	83.1	93.1	83.1	83.2
LF	16.01		72.5	76.7	79.6	b.:3	P2.3	82.9	53.2	63.2	93.4	B3.5	83.5	83.5	93.5	83.5	83.6
U.F.	1,001		73.3	77.7	63.6	63.3	83.8	84.5	54.7	54.P	84.9	85.0	85.0	85.0	85 • O	85.1	85·1
(, "	12901	11.5	73.9	78.4	H1.7	84.3	45. û	85.7	96.0	86.0	96.1	85.2	86.2	86.3	86.3	86.3	86.3
t 5	10001	11.5	74.3	79.3	82.5	٤5.5	nt.2	67.1	87.4	07.4	97.6	87.7	97.7	87.7	87.7	87.7	87.8
LΓ	10.0	11.0	74.5	79.3	82.9	65	P6.8	87.8	80.1	86.2	28.3	89.4	88.4	88.5	P8.5	84.5	88.5
6.5	6 71	11.0	74.7	79.7	81.5	8.63	97.7	89.0	99.1	87.2	99.4	80.5	89.5	89.5	99.5	89.6	89.6
ĿΕ		11.0	74.9	87.0	94 . 1	67.€	48.5	89.6	93.2	90.3	90.4	90.5	90.5	97.6	90.6	90.6	96.7
	e ani	11.0	75.2	60.4	84.6	68.5	99.5	92.9	91.4	¥1.5	91.7	91.8	91.8	91.9	91.8	91.9	91.9
-	,								•••		•••				•••		
G.F.		11.7	75.4	8 7.9	05+1	49.3	96.6	92.3	73. J	73.1	93.3	91.5	93.5	93.6	93.6	93.6	93.7
ų F		11.5	75.4	80.9	85.5	89.0	91.2	93.2	74.Ü	94.3	94.5	94.9	94.9	94.9	94.9	95.0	95.1
ی د	7631	11.0	75.5	81.7	65.5	91.2	71.6	94.0	75.1	45.4	36.€	96.4	96.4	96.6	96.7	96.8	96.9
G.E	2671	11.0	75.5	81.7	25.6	9).4	92.0	94.4	75.8	76.1	96.8	97,4	97.6	99.3	98.1	98.4	98.6
ĢΕ	107	11.0	*5.5	81.0	95.6	71.4	92. C	94.5	95.9	96.2	47.0	97.6	97.8	98.3	98.6	99.0	99.6
6.6	^1	11.0	75.5	81.3	F5 + 6	97.4	42.0	94.5	75.9	46.2	97.3	97.6	97.6	98.3	98.6	99.0	100.0

TOTAL NUMBER OF ORSERVATIONS: 1439

GEORAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 724095 STATION WAME: MCGUIRE AFB NJ

PEPIOD OF RECORD: 78-87 MONTH: JUN HOURS(LST): 0000-0200 ************ VISIBILITY IN STATUTE MILES GE GE GE GE 2 1 1/2 1 1/4 1 CEILING GE S GE G GE GE 3 2 1/2 6E 6 IN | GE GE 5/16 1/2 1/4 3/4 5/8 D NO CEIL | 6.8 51.7 53.7 56.2 56 • 2 56.3 55.3 55.8 56.2 56.6 56.7 56.7 56.7 56.9 CE 200a01 6.9 52.2 57.2 59.8 61.7 63.7 62.1 62.7 62.7 67.0 63.1 63.1 63.1 63.3 62.8 63.1 05 18040| 65 16000| 6.9 52.3 57.3 57.3 62.9 62.9 62.9 63.0 63.0 61.8 62.3 63.2 63.3 63.3 63.3 63.7 63.3 63.6 63.3 59.9 63.3 62.1 62.7 63.6 66 127011 53.0 58.1 63.2 64.3 64.3 GE 100001 7.0 56.0 61.8 64.9 67.J 67.6 68.1 68.1 68.1 68.3 68.6 68.7 68.7 68.7 68.7 68.9 90001 60001 70001 ь£ 7.0 56.4 62.2 65.3 £7.4 68.0 68.7 68.7 69.7 68.9 71.7 69.1 69.2 69.2 72.3 69 • 2 72 • 3 69.2 72.3 69.4 7.0 58.2 64.4 70.1 7G . 6 71.4 71.4 71.4 71.9 72.1 72.6 73.1 67.9 72.2 72.7 72.9 LΓ 64.9 68.3 77.6 71.3 72.0 72.0 72.3 72.4 72.9 72.9 65.4 68.9 71.1 72.8 65001 72.8 71.6 73.9 76.4 76.7 7P.7 81.2 62.9 45001 7.4 7.9 63.6 70.3 72.8 76.6 79.1 77.6 86.1 78.2 60.8 78.2 83.8 78.4 91.0 78.9 81.4 79.1 81.7 79.1 81.7 79.1 81.7 79.3 74 . 1 79.2 76 • 7 77 • 9 80.8 35001 7.9 8C.6 82.4 P2.7 P3.3 81.6 20001 66.9 75.2 62.9 83.9 84 .6 84.6 64.8 65.C 85.2 95.4 85.7 85.7 a5.7 95.9 75.7 05.7 86.1 86.7 86.8 86.3 86.9 87.0 L € 25,051 67.2 79.9 83.3 95.2 45.2 25.4 85.9 7.9 84.3 85.2 P6.1 66.1 21 60 L 7.9 7.6 76.1 76.2 85.8 86.7 86.8 O.E. 63.6 63.9 64.4 85.7 76.C 86.1 86.2 86.3 96.4 86.6 66.7 €7.6 FC . 3 ₽4. € 85.9 67.7 82.4 24.9 85.8 86.8 υE 1:001 67.9 61.3 85.4 86.3 86.4 P6.7 86.9 87.1 87.3 P7.3 76.6 86.4 1200 SE 11001 7.4 € € . 3 77.0 €1.6 £5.6 3.69 87.6 87.7 67.7 A7.9 80.1 e8.3 88.6 P8.6 88.6 86.8 9,71 FC01 7001 88.2 88.4 PB.7 98.9 77. 87.8 88.0 88 • C υE £ 8.3 91.8 85.7 86.7 27.7 £7.6 88.4 88.7 88.7 88.9 89.1 G £ 7. 9 68.4 77.1 81.9 85.5 66.9 87.9 86.0 A8.7 88.9 88.9 u E 1 E 7.9 66.9 77.8 62.5 26.4 87.6 88.6 BR. 7 88.7 PR.9 89.1 89. 1 89.6 P9.6 89.6 89.8 66.7 90.2 88.8 89.1 90.0 5101 78.1 83.1 67.1 P8.2 87.8 90.0 90.4 90.7 91.0 r, F 400 j 300 j 7.9 7.0 69.1 78.1 78.1 83.4 83.6 67.4 87.7 8€.€ 89.8 90.7 90.4 92.4 91.7 90.7 91.0 91.2 91.4 91.7 91.7 93.2 91.9 92.6 6, € 8 . 8 92.0 92.3 7.9 1001 69.1 79.1 83.8 96.7 97.3 CE £9.1 78.1 93.6 68.4 69.9 92.8 94. : 94.7 94.5 96.7 96.4 97.1 97.9 98.2 99.3 71 7.9 ÚΕ 69.1 78.1 F3.8 6P.4 F9.9 94.2 94.2 94.9 96.0 97.1 97.9 98.2 100.0 92.8 96.4

TOTAL NUMBER OF DISERVATIONS:

GLOBAL CLIPATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

				STATI	ON NAME:	P.C 60						MONTH	: JUN		(LST):	0300-05	00
CFIL	The factor	• • • • •	• • • • • •	• • • • • •	• • • • • • • •	• • • • • •	•••••			IN STATE	175 M.L		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •
IN		GE	GE.	GΕ	GΕ	GE	GΞ	GE	GE	GE	6E	er.	Gf	GE	GE	GE	CE
FEE	-	10	U. U	5	Ü. 4		2 1/2		1 1/2	1 1/4	1	3/4	5/6	1/2	5/16	1/4	0.0
	-																
	••••													••••••	•••••		
NO 0	EIL J	5.2	38.1	41.8	45.9	48.8	56.1	51.1	51.4	51.7	51.7	51.7	52.0	52.4	52.4	52.4	52.6
66 2	l cone:	5.3	41.7	46.4	51.4	54.6	56.1	57.4	58.2	58.4	58.6	58.6	58.9	59.3	59.3	59.3	59.4
ty € 1	10008	5.3	41.7	46.4	51.4	54.6	56.1	57.4	58.2	58.4	58.6	59.6	58.9	59.3	59.3	59.3	59.4
6F 1	60201	5 . 3	41.7	46.4	53.44	54.6	56.1	57.4	58.2	58.4	58.6	58.6	58.9	59.3	59.3	59.3	59.4
5 E 1	41 671	5 . 3	42.0	46.8	51.6	54.9	56.4	57.8	58.6	58.A	58.9	59.9	59.2	59.7	59.7	59.7	59.8
0 t 1	[מטמב.	5.3	43.0	48.1	53.4	56.7	58.2	59.6	60.3	60.6	60.7	69.7	61.0	61.4	61.4	61.4	61.6
65.1	10000	5.4	45.3	5 7 . A	56.4	59.9	61.6	63.7	63.8	64.7	64.1	64.1	64.4	64.9	64.9	64.9	65.0
u E	95001	5.4	45.6	51.1	56.8	€0.2	61.9	63.3	64.1	64.3	64.4	64.4	64.8	65.2	65.2	65.2	65.3
G F.	87J11	5.6	48.2	54.3	63.2	64.3	65.9	67.3	68.1	68.3	68.7	69.9	69.3	69.8	69.8	67.8	69.9
6.5	77301	5 . P	48.8	54.9	611.6	64.6	66.6	68.1	68.9	67.1	69.4	69.7	73.1	70.6	70.6	73.6	76.7
ьE	60001	5.8	49.2	55.3	61.5	65.1	67.1	68.7	69.4	69.7	70.3	70.2	70.7	71.1	71.1	71.1	71.2
6.5	50001	6.1	52.2	59.4	64.4	68.4	70.4	72.1	72.9	73.1	73.4	73.7	74.1	74.6	74.6	74.6	74.7
55	45001	6.3	54.0	63.9	66.9	70.9	72.9	74.6	75.6	75.8	76 - 1	76.3	76 · B	77.2	77.2	77.2	77.3
しゃ	40001	6.4	55.3	62.7	69.5	73.0	75.1	76 . 6	77.6	76.3	78.3	78.6	79 • C	79.4	79.4	79.4	79.6
0.E	35001	6.4	55.9	63.6	64.9	74.2	76.3	78 - 1	79.1	79.4	79.8	80.0	80.4	80.9	93.9	80.9	81.0
55	37001	6.6	56.7	64.6	71 - 1	75.7	77.9	19.7	80.7	51.1	91.4	81.7	82.1	82.6	82.6	82.6	€2.7
o C	ا دن ع	6.6	56.9	54.8	71.4	76.1	78.4	87.3	81.3	81.9	92.1	87.3	82.8	83.2	93.2	83.2	e 3 . 3
J.5	20001	5.6	57.0	65.0	71.7	76.4	76.6	83.7	91.7	02.1	92.4	82.7	83.1	83.6	P3.6	83.6	P 3 . 7
G.E.	1800	6.6	57.0	65.0	71.7	76.6	76.9	87.8	81.8	02.2	92.6	87.8	R3.2	83.7	83.7	83.7	A 3 . 8
J-5	1500[	6.6	57.1	65.1	71.9	77.1	79.4	81.3	82.3	62.8	83.1	63.3	83.8	84.2	94.2	64.2	84.3
L F	15001	6.6	57.3	65.3	72.2	17.4	79.8	81.8	82.8	03+2	93.6	8 7 . 9	84.2	84.7	94.7	84.7	84.8
GΕ	1:071	5.6	57.7	65.9	72.3	79.1	90.4	82.6	83.7	84.1	04.4	84.7	85.1	85.6	85.6	85.6	85.7
is F	9331	6.6	57.7	65.9	72.9	73.2	80.6	82.7	83.8	84.2	84.6	94.9	85.2	85.7	85.7	85.7	85.8
υE	3071	6.6	57.9	66.3	73.3	79.:1	81.3	83.4	84.6	ø5•J	95.3	85.6	86.9	86.4	P6.4	86.4	86.6
is fi	7001	6.6	58.1	65.6	73.8	77.4	81.8	83.9	85.0	45.4	85.8	86.7	85.4	96.9	96.9	86.9	87.0
θE	6001	5.6	54.8	67.2	74 . 7	80.3	82.7	84.8	85.9	06.3	66.6	87.7	87.4	87.9	°7.9	87.9	88.3
	5001	6.5	53.9	67.3	75 • 3	A7.8	83.2	86.0	37.2	37.7	P8 • 2	88.4	98.9	89.3	49.3	89.3	89.4
üξ	4 301	5.6	59.0	67.6	75.6	61.6	84.1	87.2	98.6	89.7	99.6	80.9	90.3	90.8	93.8	93.8	90.9
., -	7001	6.6	59+0	57.6	75.9	82.1	94.7	87.9	87.3	89.9	90.7	91.1	91.6	92.0	92.0	92.2	92.4
ÇE	0301	5.6	59.0	67.7	70.0	82.2	94.9	88.8	9 3 . 3	y 7 • 9	91.7	97.3	92.8	93.9	04.0	94.3	94.7
SE	1001	6.6	59.0	67.7	76.3	82.3	95.0	88.9	33.6	91.3	92.4	93.4	73.9	95 • 2	95.7	97.2	98.7
5.5	71	6.6	59.0	67.7	76 . J	82.3	35.O	84.9	9.1.6	11.7	72.4	97.4	93.9	95 • 2	°5.7	97.2	106.0
	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••

TOTAL NUMBER OF OPSERVATIONS: 930

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOUGHLY OBSERVATIONS

STA	TION N	UMBER:	724396	STATI	ON HAME:	MC GU	IRE AFB	NJ				PE 9100	OF REC	OPD: 78	-87		
												HONTH	: JUN	HOURS	(LST): (	0600-08	00
		• • • • • •	• • • • • •	•••••		• • • • • •	•••••								• • • • • •	• • • • • •	******
	LING									IN STATE							
	4 !	GΕ	GE	GE	GE	GΕ	65	GŁ	55	GE	GE	G F	GE	GΕ	GE	GE	GE
-	ET 1	-	6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	٥
• • •	• • • • • •		• • • • • • •	• • • • • •	• • • • • • •	• • • • • •		• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	•••••
50	CETL 1	3.3	40.6	44.1	46.6	49.6	51.3	51.6	52.0	52.0	52.C	52.0	52.0	52.1	52.1	52.2	52.2
	202031		46.1	50.2	53.7	57.2	5 6.0	59.6	60.C	60.0	60.C	67.1	60.1	60.3	60.4	60.6	6C.6
	183331	9.3	46.2	50.3	53.0	57.5	54.1	59.8	6 J. Z	60.2	50 · Z	67.3	60.3	63.6	60.7	60.8	66.8
	160001	9.3	46.2	50.3	53.8	57.3	55.1	59.8	63.2	00.2	60.2	60.3	63.3	63.5	63.7	60.8	6C•8
	140001		46.6	50.7	54 • I	57.7	54.4	60.1	60.6	bD.6	60.6	6~.7	63.7	67.7	61.0	61.1	61.1
6°	150001	9.7	47.0	51.4	54.9	59.4	6Ç.3	61.3	61.4	61.4	61.4	61.6	61.6	61.8	61.9	62.0	62.0
.a.£	100001	10.3	53.3	55.3	58.7	62.9	64.9	65.6	65.0	66.7	66.5	66.1	66.1	66.3	66.4	66.6	66.6
5 E	90001		° 3. 6	56.0	59.0	63.5	65.6	66.2	66.7	06.7	66.7	66.9	66.8	67.9	67.1	67.2	67.2
ء ق	3-001		53.6	58,9	63.3	67.1	69.2	69.9	70.4	75.6	70.8	71.0	71.3	71.2	71.3	71.4	71.4
	1-001		54.6	59.9	64 . i	68.2	70.3	71.3	71.6	71.7	71.9	72.1	72.1	72.3	72.4	72.6	72.6
SE	67301		5.8	61.2	65 • 4	67.6	71.7	72.3	72.9	73.2	73.2	77.4	73.4	73.7	73.8	73.9	73.9
0.	V • //	• • • •	3.0	0112	03.44	0,.0		12.5	1207	1343	13.2				13.0	1347	. 3 . 7
35	50001	11.0	57.6	63.1	67.4	71.9	74.1	74 . 8	75.3	75.4	75.7	75.9	75.9	76.1	76.2	76.3	76.3
ĿΕ	45001	11.0	58.3	64.1	69.3	73.4	75.7	76.4	77.0	77.1	77.3	77.6	77.6	77.8	77.9	78.0	78.0
ĢΕ	47331	11.1	58.0	64.7	69.0	74.2	76.4	77.3	77.9	76.7	78.2	70.4	79.4	78.7	78.8	78.9	78.9
LΕ	35071	11.2	59.6	65.6	10.8	75.2	77.6	78.4	79.1	79.2	79.4	79.7	79.7	79.9	93.9	87.1	80.1
G F	30001	11.2	5.3.2	66.2	72.5	76.4	76.6	79.7	87.4	83.8	81.0	81.2	81.2	81.4	81.6	81.7	81.7
٦F	25301		63.2	66.2	72 • 2	76.9	74.3	83.3	31.1	d 1 . 4	91.7	81.9	91.9	82.1	A2.2	82.3	82.3
₩F	2.371		6.3.7	65.3	73.3	78.2	36.7	81.7	32.6	42.9	93.1	87.4	03.4	83.7	93.8	83.9	83.9
65	18071	11.2	67.7	56.8	73.3	79.2	4C. 7	81.7	82.6	62.9	93.1	83.4	P 3 . 4	83.7	93.8	a3.9	63.9
5r€	15001	11.2	67.9	67.	73.7	19.6	91.0	82.4	93.3	03.7	93.9	84.2	94.2	84.4	04.6	84.7	84.7
ēξ	10001	11.2	61.1	67.2	73.9	79.8	81.3	82.8	93.7	84.0	94.2	84.6	84.6	94.8	84.7	85.0	85.G
6.5	10001	11.2	41.4	67.6	74.0	72.7	82.2	84.7	64.9	d5.2	95.4	a5.9	95.9	86.7	96.1	86.2	R6.2
, ,		11.2	61.6	67.7	74.7	77.9	d2.4	84.7	85.9	86.1	P6.3	85.7	86.7	86.9	87.3	87.1	P 7 • 1
űC		:1.2	01.5	69.0	75.2	H7.3	93.3	85.6	35.7	47.7	97.2	87.6	87.6	67.8	97.9	88.0	86.0
5.5		11.2	62.5	68.2	75.7				-		-						
 <u></u> .		11.2	62.D			81.2	33.9	86 . 2	97.4	d7.8	98.2	80.6	86.6	89.8	88.9	89.0	69.0
JE	, , ,	1100		69.3	75.0	61.6	14.2	86.6	97.8	89.1	°8.7	80.0	89.0	49.2	P9.5	89.4	89.4
ع د	5 301	11.2	52.0	68.4	76.1	82.2	25.3	88.2	99.2	89.6	93.1	91.6	90.6	9).A	93.9	91.0	91.0
u E	4301	11.2	42.3	69.4	76.2	52.6	45.6	88.7	93.6	93.9	91.6	97.2	92.2	92.6	92.7	92.8	92.8
.,-	7331	11.2	63.0	69.4	76.2	62.6	86.2	67.3	92.2	92.6	93.2	94.4	94.4	95.3	95.1	95.2	95.3
i, r	2031	11.2	62.0	6 . 4	76 . 3	83.;	86.4	80.0	92.9	93.6	74.4	96.6	96.7	97.4	97.8	97.9	98.1
65		1:.2	12.0	69.4	75.3	93.6	96.4	82.3	92.9	93.6	74.4	95.7	96.8	97.7	98.3	98.8	99.7
SE	11	11.2	52.0	68.4	16.3	93.0	96.4	87.9	92.9	93.6	74.4	96.7	96.8	97.7	98.3	98.8	106.0

TOTAL NUMBER OF OPSERVATIONS: 930

GLOBAL CLIMATCLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

				-	• •		IRC AFB					MONTH	OF REC	POURS	(LSTI:		
	ING			• • • • • • • •	• • • • • • •					IN STATE			• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •
1.		GE	GE	GE	GE	GE	65	GŁ	GE	GΕ	ĠΕ	GΕ	GΕ	GΕ	GE	SE	GE
FEE		10	6	5	4	3	2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	0
• • • •	• • • • • •	• • • • • •	• • • • • •		• • • • • • •			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
vo c	CEIL 1	9.8	46.4	48.7	51.6	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
JE :	200421	11.2	53.1	56.2	59.1	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
JE I	160031	11.2	53.1	56.2	57.1	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
E ]	160001	11.2	53.1	56.2	59 • 1	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
	143031		53.2	56.3	59.2	59.5	59.9	60.0	63.0	69.3	40.0	67.0	63.0	60.0	60.0	60.0	60.0
:: 1	120001	11.2	54.C	57.4	60 • 3	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
JE :	100001	11.6	56.7	63.6	63.8	64.6	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
∍E.	97031	11.6	57.0	61.0	64.2	65.3	65.2	65.3	65.3	b5 • 3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
	0.001		63.0	64.3	67.8	8.80	69. J	69.1	69.1	69.1	69.1	67.1	69.1	69.1	69.1	69.1	69.1
	7"331		€1.9	65.4	60.9	69.9	7C. 1	70.2	73.2	73.2	73.2	77.3	79.3	70.3	70.5	70.3	70.3
3.5	6,371	12.3	51.8	66.2	69.7	70.7	70.9	71.0	71.0	71.3	71.3	71.1	71.1	71.1	71.1	71.1	71-1
5.5	50003	12.3	63.3	59.3	12.5	73.0	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4
	45 661		55.2	73.7	74 . 4	75.4	75.8	75.9	75.9	75.7	75.9	76.7	76.0	76.0	76.C	76.0	76.0
LΕ	40001		66.9	72.4	76 • 3	77.9	76.3	78.4	78.4	7E.4	78.4	78.5	78.6	79.6	78.6	78.6	78.6
٠.	35 201		63.4	74.0	78.2	80.1	82.6	89.7	93.7	80.7	80.8	87.9	90.9	83.9	PO.9	8 ლ. 9	e G • 9
5	371301	13.3	73.0	76.0	A() • R	82.9	83.3	83.7	83.7	83.7	P3.6	B . 2	R3.9	83.9	83.9	83.9	83.9
, F	25051		77.4	76.7	81.3	84.1	84.6	85.0	85.0	85.7	85.1	85.2	85.2	85.2	95.2	85.2	85.2
, -	20001		72.1	78.8	84.2	86.8	87.3	88.0	89.C	98.0	2B . 1	88.2	88.2	88.2	98.2	88.2	88.2
	1:371		72.3	79.3	34.4	87.C	87.6	88.2	98.2	48.2	98.3	68.4	88.4	88.4	88.4	88.4	88.4
, r	15,301		72 <b>.7</b>	79.3	84.5	87.3	87.9	88.6	98.6	88.6	98.7	89.8	88.8	89.8	98.8	58.8	88.8
, r,	12.331	13.3	72.9	83.2	85.8	88.6	89.1	89.5	н9.8	89.P	99.9	97.7	93.0	97.0	93.0	93.0	90.0
. 5	10001	13.3	73.3	87.6	86.3	89.3	9C.1	91.3	91.4	+1.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7
, г		13.3	73.3	81.3	80 . 7	69.8	96.7	92.1	32.2	92.2	92.3	92.4	92.4	92.4	72.4	92.4	92.4
i, Ç		13.3	73.4	51.1	86.6	97.0	90.9	92.4	92.7	92.7	92.8	97.9	92.9	92.9	92.9	92.9	92.9
ıΓ		17.3	73.4	91.4	87.2	93.7	91.6	93.4	93.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9
ıF	6001	13.3	75.6	81.7	87.6	91.1	92.4	94.3	94.9	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1
, ŗ	1201	13.3	73.9	82.3	48.3	92.2	93.7	96.7	97.0	97.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3
ιE		13.3	73.9	82.3	P.P. 4	12.4	94.2	95.5	78.1	98.2	79.6	98.7	98.7	98.7	98.7	98.7	98.7
ı, r		17.3	73.9	87.3	88.4	92.4	94.4	97.2	98.6	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3
, •		13.3	73.9	B 2 . 3	H8 .4	92.4	94.6	97.3	98.7	99.9	99.7	100.0	100.0	103.0	100.0	100.0	100.0
(, F	1001	13.3	73.9	82.3	64.4	92.4	94.6	47.3	98.7	98.9	99.7	100.0	100.0	100.0	1 70.0	100.0	100.0
υE	21	12.3	73.9	e 2 • 3	9E . 4	92.4	94.6	97.3	95.7	49.7	39.7	100.0	100.0	100.0	100.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 940

GLOOAL CLIMATOLOGY BRANCH USAFETAC AIR WEATMER SERVICE/MAC

### PERCENTAGE FREQUENCY OF CCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PERIOD OF RECORD: 78-87 MONTH: JUN FOURS (LST): 1200-1400 EILIBG VISIBILITY IN STATUTE MILES CEILINE 1N | GE FEET | 10 GF 5 GE GE 3 2 1/2 GE GE 1 1/2 1 1/4 GE 5/16 GE 4 GE 2 GE 1/4 ε 1 3/4 5/8 1/2 ß NO CEIL 1 8.4 57.4 58.4 UF 200001 11.1 52.2 55.0 58.4 58.4 58.4 58.4 CB . 4 54.4 58.4 58.4 58.4 58.4 58.4 GF 16700| 11.1 GF 16700| 11.1 58 . 7 58 . 7 58.7 58.7 58.7 58.7 5°.7 5°.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 52.4 55.2 55.2 57.7 57.7 58.7 58.7 58.7 58.7 56.7 6E 147GE | 11. 52.9 55.7 59.1 59.1 59.1 GF 120001 11.7 57. 54.0 59.6 60.6 66.6 60.6 67.6 60.6 66.6 60.6 60.6 60.6 60.6 63.6 60.6 of 10000| 11.8 of 9000| 11.8 of 8100| 12.2 (E 7000| 12.8 67.4 63.4 56.2 59.6 62.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 67.8 68.1 69.2 56.6 F9.6 F7.7 59.9 62.8 63.6 63.8 63.8 63.8 63.8 63.6 63.8 63.8 63.8 63.8 63.6 69.1 68.1 69.2 68.1 69.2 63.3 66.7 66.1 68.1 68.1 68.1 68.1 68.1 68.1 6.7 . B 69.2 69.2 69.2 64.4 64.2 69.2 69.2 69.2 60001 12.8 79.0 72.0 70.0 70.0 70.0 63.9 71.4 73.1 73.1 73.1 73.1 45091 13.0 45001 13.1 8.93 70.3 74.0 74.0 76.1 75.7 80.0 75.7 86.0 75.7 80.0 75.7 83.0 75 • 7 83 • 8 75.7 81.0 75.7 PO.0 75.7 30.9 75.7 80.0 75.7 80.0 65 75.7 75.7 90.0 ٠.0 35001 13.4 72.3 75.4 77.9 82.6 64.7 54.7 44.7 A4.7 84.7 84.7 84.7 84.7 84.7 3: CC | 13.4 LF 81.4 26.4 E9.3 89.3 89.3 89.3 99.3 69.3 89.3 25401 1346 90.0 90.0 20.0 90.0 90.0 93.0 93.3 90.0 90.0 76.0 82.0 81.1 90.0 h9.9 26.0 LF 2700| 13.6 1800| 13.6 77.2 83.2 91.3 91.3 91.4 93.0 91.3 91.4 97.0 91.3 91.3 91.3 88.3 91.1 91.3 91.3 91.3 91.2 91.3 96.4 91.2 97.6 93.0 91.4 71.4 91.4 91.4 91.4 1000 13.6 10001 13.6 93.0 89.6 92.8 93.0 93.9 f. F 84.6 20.3 93.9 94.2 94. 3 44.4 76.8 19.2 94.4 95.3 95.4 10001 13.6 1.78 9:01 45.0 45.4 95.6 45.6 75.6 95.7 95.7 95.7 95.7 95.7 95.7 t, f 9601 13.6 96.6 46.6 47.7 47.8 96.6 97.0 97.8 94.7 97.1 97.9 96.7 97.1 97.9 96.7 45.9 91.9 96. U 96.4 96:7 96.7 96.7 96.8 97.6 98.0 FOR 13.6 79.3 8 F . C 92.0 76.2 97.1 97.1 97.1 97.1 -9.4 77.8 97.9 70(1 17.6 6001 13.6 27.0 97.9 86.6 92.7 96.2 79.6 86.9 96.4 79.7 96.7 47.6 99.2 99.2 99.2 99.2 99.2 99.2 4001 13.6 7001 13.6 93.3 97. J 97.9 98 • 8 99 • 3 99.1 99.1 99.8 99.2 99.3 79.7 67.2 79.3 100.0 99.3 99.3 99.3 99.3 79.7 100.0 100.0 67.2 100.0 100.0 1301 13.6 100.0 79.7 99.3 99.7 99.4 39.8 100.0 170.0 100.0 106.0 97.2 LF 79.7 87.2 95.4 98.3 99.3 99.7 79.5 9.00 100.0 100.0 100.0 100.0 01 13.6 97.2 79.7 87.2 93.4 94. 3 99.3 79.7 99.8 99.8 100.0 100.0 100.0 100.0 160.0 100.0

TOTAL NUMBER OF ORSERVATIONS: 9,

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR AFATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CRILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

					ON NAME							MONTH	OF REC	HOURS	(LST):		
	LING		• • • • • •		• • • • • • •	• • • • • • •	•• • • • • •		PILITY				• • • • • • •	• • • • • • •	•••••	• • • • • • •	•••••
1		GE	GE.	GE	GF	GŁ	65	GŁ	GE	GE	GE	GE	G£	GΕ	GE	GΕ	GE
FE		10	6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	0
• • •	• • • • • •	• • • • • •		• • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •
80	CEIL	9.1	41.4	43.4	45 • i	46.2	46.3	46.3	46.3	46.3	45.3	46.3	46.3	46.3	46.3	45.3	46.3
	200001		50.0	53.7	55.7	57.ü	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
	190001		50.4	54.1	56 • 1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
	160,001		53.4	54.1	50 + 1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.5	57.6	57.6	57.6
	47371		51.1	54.8	56.8	58.2	58.3	59.3	58.3	58.3	58.3	59.3	58.3	59.3	58.3	58.3	58.3
6 E	120071	11.1	52.2	55.9	53.1	59.7	59.8	59.8	59.8	59.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8
(. F	iunoni	12.0	56.1	60.7	63.0	64.6	54.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
	أدداد		56.4	61.5	63.3	64.9	65. ü	65.0	65.0	05.0	65.2	65.0	65.0	65.3	65.0	65.0	65.0
υĖ	ยาววิโ		59.1	64.1	66.7	69.3	68.6	69.6	63.6	58.6	68.6	u3.6	69.6	63.6	68.6	69.6	68.6
	77351		5 ) 6	65.7	68.2	77.0	70.2	70.2	70.2	70.2	70.2	72.2	70.2	73.2	70.2	70.2	70.2
6 E	6731		61.2	66.7	67.2	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
•••		• • • •										,,,,,		,			
is F	shool	13.2	62.2	67.7	70.4	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
U.S	45001	13.4	64.4	77.3	72.5	74.7	74.9	74.7	74.9	74.7	74.9	74.7	74.9	74.9	74.9	74.9	74.9
SE	41 001	13.6	68.2	74.6	77.9	87.2	85.4	83.4	RU . 6	a€.6	83.7	80.7	9 J . 7	87.7	90.7	30.7	83.7
, F	35021	13.0	70.8	77.6	91.2	83.9	84.1	84.1	84.2	34.2	94.3	84.3	94.3	84 . 3	24.3	84.3	94.3
o F	37381	13.0	73.8	81.9	86.3	67.2	39.6	89.8	93.0	90.7	90.1	9041	30.1	93.1	93.1	90.1	90.1
<b>L</b> E	25,531	17.0	74.2														
G.F	2.001		74.8	82.3 82.9	37.1	95.0	90.3	97.6	97.8	10.8	90.9	97.9	97.9	90.9	93.9	90.9	90.9
6 F	18.531		74.9	83.3	97.9 98.J	91.1 91.2	71.4 91.6	91.7 91.8	91.9	91.9	92 • 1	92.1	92.1	92.1	92.1	92.2	92.1
	15001								92.0	92.0	92.2	97.2	72.2	72.2	92.2		92.2
5 E	12371		75.2	83.7	83.3	92.1	92.4	33.7	93 · Z	93.2	93.4	93,4	73.4	93.4	93.4	93.4	93.4
,.	17.591	13.7	75.2	34.5	87.1	92.4	92. a	93.3	93.6	33.6	33.€	91.8	93.8	93.9	93.8	93.8	93.8
լ, r	1001	13.9	76.5	85.;	90.6	94.3	94.9	95.4	95.8	95.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1
6 F	9 3 3 1	17.9	76.3	35.4	91.j	94.3	95.3	75.9	95.2	96.2	96.6	94.6	96.6	96.6	96.6	96.6	96.6
i, F	0001	13.9	76.6	35.8	91.3	95.2	95.8	95.4	76. 5	46.8	07.1	97.1	97.1	97.1	97.1	97.1	97.1
U.F.	7501	13.9	76.8	86.0	91.7	95.6	96.3	97.2	97.6	97.6	3.86	90,7	98.0	98.0	98.0	98.0	98.0
¥5.	6001	17.9	76.8	36 ∙ €	91.7	95.7	76.6	97.4	97.9	77.9	98.3	95.7	99.3	98.3	98.3	99.3	98.3
g e	5 -01	13.9	76.8	86.0	9:.5	96.1	97.1	98.1	25.7	78.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
ů.		13.9	76.8	86.0	71.3	96.1	97.2	99.6	99.1	98.1	99.8	99.2	99.2	99.9	99.8	99.8	99.8
1.5		13.9	76.8	86.)	91.5	96.2	97.3	98.9	97.3	99.1	100.0	107.3	170.0	100.0	100.0	107.0	100.0
υE		17.9	76.6	86.0	91.8	95.	97.3	70.5 73.8	99.3	30.3	2.00.0	137.3	193.3	103.7	170.0	100.0	100.0
		13.9	76.8	86.0	91.5	96.2	97.3	99.3	77.3		100.0		103.0	100.0	10.0	100.0	100.0
	1			90.00	-1.0	7004	* 1 * 3	77.5	77.3	***	1 3.6		100.0	70.140	1.0.0	100-0	10000
		17.9	76.8	86.	71.5	96.2	97.3	98.5	27.1		170.0						

TOTAL NUMPER OF ORSERVATIONS: 930

SENSAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### PERCENTAGE FREWUENCY OF UCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER:						_				PEPIOD MONTH	: JUN	HOURS	(LST):		00
CEILING	• • • • • • •	•••••	• • • • • • •	• • • • • •				IN STATE			• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •
10   GE FEET   10	e e	GE S	6E 4	GE 3	GE 2 1/2	GE	GE 1 1/2	GE	GE 1	GE 3/4	G C 5 / 8	GE 1/2	GE 5/16	GE 1/4	G G
NO CLIL   17.6	47.8	57.8	55	53.1	53.2	53.2	53.2	53 - 2	53.2	57.2	53.2	53.2	53.2	53.2	53.2
GE 20757/ 11.6 GE 18700/ 11.6 GE 16707/ 11.6 GE 14707/ 11.7	54.2 54.7 54.7 55.6	59.3 59.8 59.8	67.7 61.1 61.1 62.J	62.9 63.3 63.3 64.4	63.8 63.8 63.8	63.9 63.9 65.0	63.4 63.9 63.9 65.0	63.9 63.9 65.0	63.6 64.0 64.0 65.1	63.6 64.7 64.7	63.6 64.3 64.3	63.6 64.0 64.0 65.1	63.6 64.0 64.0 65.1	63.6 64.0 64.0 65.1	63.6 64.0 64.0 65.1
of 12 001 17 of 100001 10.2 of 90001 12.2	59.4 59.2	65.2 65.8	62 • 1 60 • 6 67 • 1	69.2	65.8 69.7 70.3	65.9 69.9 77.6	65.9 69.9 7J.6	69.9 70.6	70.1 70.8	70.1 70.8	70.1 70.8	73.1 73.8	70.1 70.8	70.1 73.8	66.0 70.1 70.8
UE ATOM 12.6 UE 7700 12.9 UE 000 12.9	62.4 63.9 64.8	69.3 70.0 71.0	57 • 1 59 • 1 71 • 3 72 • 6	73.1 74.6 75.J	73.7 75.3 76.6	73.9 75.6 76.8	73.9 75.6 76.6	73.9 75.6 76.9	74 • 1 75 • 6 77 • 0	74 • 1 75 • 9 77 • 9	74.1 75.8 77.0	74 • 1 75 • A 77 • D	74.1 75.8 77.3	74.1 75.8 77.0	74.1 75.8 77.0
95 5700  13.0 65 4500  13.4	63.3	73.0 74.7	74 + 0 76 + 3	79.5 79.5	78.6 80.3	78.8 83.6	78.6 63.6	78.8 30.6	79.U 90.E	79.7 80.8	77.0 83.8	77.0	79.0	79.0 83.8	79.J 80.8
65 47031 13.7 96 35001 13.7 05 30001 13.7	73.8 72.6 72.9	78.1 80.3 81.1	33.5 33.3 84.1	84.3 87.1 88.0	45. U 87. 8 89. 2	85.3 88.2 87.7	95.3 83.2 89.7	85.6 89.4 89.9	95.8 98.7 90.1	85.9 89.7 90.1	95.8 98.7 90.1	85.8 88.7 90.1	A5.8 A8.7 90.1	85.9 88.7 90.1	85.8 88.7 90.1
15 2 01 13.7 55 2 00 13.7 65 15:01 13.7	73.6 73.6 73.6	91.9 82.3 82.3	85.3 45.3	89.8 89.9 89.9	90.4 90.6 96.6	90.9 91.0 91.3	90.9 91.1 91.1	91.1 91.3 91.3	91.3 91.6 91.6	91.3 91.6 91.6	91.3 91.6 91.6	91.3 91.6 91.6	91.3 91.6 91.6	91.3 91.6 91.6	91.3 91.6 91.6
55 15001 13.7 65 17001 13.7	73.9	82.4 83.0	#0.J #0.6	91.6	91.4	91.9	93.2	92.2 93.4	93.7	97.4	92.4	92.4	93.9	92.4	92.4 93.8
55 17071 13.7 55 901 17.7 56 8708 43.7 57 7001 17.8	74.7 74.7 74.7 75.1	93.6 93.6 d3.6 84.3	97.2 87.2 97.4 88.1	92.2 92.3 92.6 93.6	93.1 93.2 93.4	94.0 94.1 94.3	94.1 94.2 94.4 95.6	94.3 94.4 94.7 95.8	74.6 94.7 75.0	94.9	94.8 94.9 95.3	94.9 94.9 95.3	94.8 94.9 95.3	94.8 94.9 95.3 96.4	94.8 94.9 95.3 96.4
05 (UC) 13.8 05 (UC) 13.8	75.2	84.4 84.5	88.3 88.5	93.9	94.6 95.J	96.2	96.3	96.6 98.2	96 • 1 96 • 9	96.4 97.2 98.9	96.4 97.2 98.9	96.4 97.2 99.7	97.2	97.2	97.2
65 430 13.8 65 760 13.5 65 200 13.5	75.2 75.2 75.2	84.7 84.7	86.8 86.3 66.8	94.9	96.2 96.2 96.2	97.7 97.8 97.8	93.6 93.7 93.7	98.9 9.0 9.0 1.00	79.2	99.6 99.8 99.8	99.6 99.8 99.8	99.7 130.0	99.7 100.3 100.0	99.7 103.0 103.0	99.7 133.0 100.0
05 100 13.4 of 01 17.9	75.2	84.9	98.9 93.9	94.9	76.2	97.8	93.7	99.7 99.0	79.4	90.8	99.8	100.0	100.0	100.0	100.C

FOTAL NUMBER OF OPSERVATIONS: 9.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CELLING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ PEPICO OF RECORD: 78-87 MONTH: JUN FOURS(LST): 2100-2300 CETLING VISIBILITY IN STATUTE MILES

GE GE GE GE GE
2 1 1/2 1 1/4 1 3/4 IN | GE FELT | 15 GΕ GE 5 6 5/8 1/16 1/2 1/4 ٥ 59.3 6E 200001 9.7 55.7 67.3 63.3 64.7 65.0 65.2 65.2 55.3 05.2 65.3 65.3 65.3 65.4 65.4 65.4 55 187Jöl 63.4 9.7 65.2 65.9 65.9 65.8 65.8 65.9 65.9 66.Q 66.0 66.0 6E 160001 65.2 65.8 56.1 61.2 63.4 65.6 65.6 65.8 65.9 65.9 65.9 65.9 66.0 66.D 66. n SE 140001 65.8 56.4 56.7 61.9 54 . . 06.1 66.3 66.3 66.3 66.4 66.4 66.4 56 . 6 66.6 66.6 65 100JOI 53.9 73.3 70.9 71.0 9.7 66.3 58.4 70.7 70.9 77.9 71.7. 71.0 71.9 71.1 71.1 71.1 90001 87001 1001 71.2 74.9 75.4 8.7 66.1 66.2 68.2 68.1 7 1 . 6 72.9 71 • 1 74 • 6 71.1 74.6 71.1 74.6 71.2 71.2 71.2 71.3 71.3 71.3 3.6 51.7 71.2 73.7 74.1 74.8 74.9 74.9 74.9 7.1 9.1 15.3 62.2 69.9 71.4 74.3 74.8 75.2 75.2 75.2 75.4 75.4 75.6 75.6 75.6 67021 52.3 51001 3.2 63.9 77.9 74.2 77.0 77.4 77.9 79.1 78.1 77.9 78.2 45001 45001 31501 31501 6.E 9.5 65.9 63.1 73.1 75.9 76.6 79.5 79.3 83.1 79.8 87.2 8J.2 84.3 80.2 90.3 84.4 80.4 84.6 90.4 80.4 4J.6 80.6 84.7 90.6 94.7 L E 83.6 94.6 94.6 84.7 9.7 68.9 16.9 5.L6 34.3 94.9 85.4 85.7 85.7 95.6 85.9 85.9 85.7 86.J 69.7 18. 42.3 86.3 86.9 87.6 87.9 07.9 R7.9 89.7 98.0 88.0 98.1 88.1 88.1 7.7 67.9 79.6 97.2 87.8 AB. 7 82.9 88.9 9.0 82.9 89.4 09.7 98.6 98.9 89.0 89.0 20001 19001 15001 9.7 70.0 78.9 P3.2 67.7 88.2 89.9 89.1 89.2 89.3 99.4 89.4 89.3 89.3 aξ 99.3 99.4 90.2 79.9 E3.2 87.7 38.2 88.9 87.1 89.1 99.2 89.3 89.3 89.4 89.4 yn.1 87.9 49.3 89.7 90.0 93.1 99.1 93.2 93.9 89.4 89.4 8 3 . 4 17001 71.6 7.7 65 81.1 35.7 92.3 25. 9 91.6 91.9 91.0 92.0 92.1 92.1 92.1 92.2 92.2 92.2 9071 9071 7071 92.6 92.7 97.8 92.0 71.7 81.2 85.8 91.7 91.6 92.2 92.4 92.6 92.8 92.8 92.9 92.9 92.9 92.9 SE 9.7 71.9 91.2 92.6 92.5 93.2 96.J 9.7 92.4 #3.4 93.7 72.1 45.6 93.1 93.4 93.6 91.7 93.7 93.9 94.3 94.0 94.0 93.7 92.1 94.2 94.2 93.8 90.5 93.9 94.2 93.3 5.5 9.5 72.2 94.9 92.9 93.7 94.3 95.5 95.0 95.2 75.3 95.3 95.3 4561 7531 7531 1531 12.3 12.3 82.4 87.8 74.4 95.2 95.8 95.7 95.9 95.9 96 • 1 96.2 96.2 97.7 96.2 97.7 9.7 93.7 95.7 35.8 J F 9.7 94.0 ₹6.3 36.9 9.7 72.3 72.3 78.2 U.F 82.6 47.9 94.9 96.7 78 . 3 90.0 99.9 99.2 9.6 99.8 100.0 ., 1 21 2.7 72.3 37.9 97.4 97.4 CA. 3 90.9 87.6 54.3 74.9 95.7 98.9 99.2 39.6 99.8 100.0

TOTAL NUMBER OF ORSCHVATIONS: 4

GLIBAL CLIMATOLOGY BRANCH DSAFLTAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ PERIOD OF RECOPD: 78-87 MONTH: JUN POURS(LST): VISIBILITY IN STATUTE MILES GC GC GE GE CETLING GE GE GE 4 3 2 1/2 IN 1 GE FECT 1 10 GE GE GE GE 2 1 1/2 1 1/4 1 5E S€ GE 1 7/4 5 6 1/2 5/16 WO CETE 1 8.3 47.6 ¢1.9 44.6 49.8 51.4 52.2 52.3 52.3 52.3 52.4 52.4 52.5 52.5 52.5 52.6 5 0 • 7 57.5 59.5 6C.1 60.5 60.7 60.0 63.6 60.7 60.8 60.9 61.6 60.9 63.9 65 18737 9.3 65 16730 9.3 65 14730 9.4 65 12700 9.5 53.9 55.1 57.8 59.8 6C.4 63.7 67.9 60.9 61.0 61.7 61.1 61.2 61.2 61.2 61.2 50.9 57.0 61.2 55.1 67.7 61.5 61.2 61.2 57.3 6C.4 60.9 60.9 61.C 61.1 61.2 51.3 60.9 61.2 58.3 01.4 61.5 61.4 61.6 61.7 61.7 52.1 56.5 57.4 61.4 62.0 62.4 62.7 50 10001 9.9 57 90001 9.9 56 90001 10.2 56 70001 10.5 65.2 55.0 63.0 63.1 65.9 66.3 66.5 55.4 67.1 70.8 63.4 63.5 65.7 66.3 66 .8 66.9 66.9 67.0 70.7 67.1 67.2 67.2 71.0 67.2 71.0 67.3 57.8 63.3 66 . 6 69.2 65.9 70.4 73.5 73.6 70.9 71.1 58.8 54.3 67.7 77.2 71.0 71.4 71.6 71.6 71.9 77.8 72.0 72.1 72.1 72.5 72.5 72.6 73.0 72.8 72.9 73.0 73.0 65 4500 10.8 66 4500 11.0 7500 11.0 -1.4 74.3 74.9 75.7 75.2 75.3 75.4 74.9 75.1 75.4 75.5 75.5 53.2 65.2 67.3 75.7 79.0 76.6 79.9 77.1 80.4 77.4 77.5 77.6 77.7 81.2 77.8 77.8 73.0 77.3 77.3 76 . 3 80.6 80.7 81.3 35001 11.2 37001 11.2 73.7 83.6 63.6 PJ.3 85.5 60.2 75.0 95.8 85.9 °6.1 86.2 56.3 36.4 86.4 86.4 86.5 25 371 11.2 76.0 87.2 68.6 91.3 84.7 85.7 86 • 3 8 7 • 4 35.6 06.3 86.9 87.1 87.2 07.3 67.3 87.3 21001 11.2 18001 11.2 15001 11.2 10001 11.2 4, 0 9.1 75.7 76.3 77.2 85.6 85.7 9º.1 8º.2 91.0 86.6 98.0 P8.3 87.7 67.9 87.F 88.2 98.3 89.3 P8.4 0,0 67.2 91.7 86.7 87.4 87.9 98.1 98.3 89.4 9.4 88.4 88.5 59.5 86.4 57.4 89.3 82.4 88.3 34.6 08.7 98.5 99.1 89.2 69.3 89.3 JI. 67.5 77.7 93.5 87.0 80.0 97.1 1700| 11.2 200| 11.2 401| 11.2 74.3 90.2 90.7 91.2 72.2 93.7 88.4 89.2 90.6 99.9 91.1 91.2 91.3 91.3 91.4 , ( 73.3 78.5 18.7 91.7 91.7 91.5 91.9 91.5 91.8 92.3 91.9 34.J 88.4 P9.6 91.1 91.7 91.8 91.9 84.3 94.0 91.6 92.2 92.4 73.7 73 | 11.2 500| 11.2 77.1 34 . 3 69.4 90.7 91.7 92.4 92.5 92.8 92.9 93.0 93.2 93.2 93.2 93.5 91.1 93.9 93.5 35.1 92.4 93.0 93.1 93.4 73.6 93.8 93.9 6571 11.2 71.0 79.5 45.5 97.4 91.9 93.5 95.1 94.2 95.1 95.2 95.2 94. 94.7 94.9 94.9 96.0 97.1 .. F 4071 11.2 3031 11.2 71.5 77.0 15.7 97.7 92.3 94.1 95.0 25.2 95.5 96.8 95.9 97.2 96.1 96.2 77.0 45.0 94.6 95.7 95.9 76.4 96.9 97.2 1 11.2 19.7 97.2 97.9 98.7 ÷1.1 ¢2•8 95.2 98.0 98.3 98.5 98.5 75.4 +5.6 fini in a 91.1 95.3 99.3 71.: 77.7 25.3 98.7 99.7 1 11.2 71.0 17.7 05.8 91.1 92.8 35.3 96.4 96.7 97.4 98.1 98.2 98.7 98.9 99.3 10n.6

CLEY : SPOITAVARIED OF OPSTRVATIONS: 12101

GLOPAL CLIMATOLOGY RRANCH USAFLTAC FIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

LIK MANINE SEKATEFANAC

STAT	ION NU	IMPER:	724296	STATI	ON NAME:	MC GU	IRE AFG	47				PERIOD	OF REC	09D: 78	-87		
												HONTH	: JUL	HOURS	(LST):	0000-02	CO
		• • • • •	• • • • • •	••••	• • • • • • • •	• • • • •	• • • • • • •						• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •
ניונ		SE	cr	GE	ce		e =		GE	IN STATE	_			e (-			3D
IN		I a	GE.	υι 5	G€	GE,		e F		GE	GE ,	G.F.	GE	GE	GE	GE	
FLE	-	_			4		2 1/2		1 1/2		1	7/4	5/6	1/2	5/16	1/4	ũ
		• • • • •	• • • • • •	• • • • • •	• • • • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••
140 C	FIL I	2.7	42.4	48.2	51.9	54.3	55.5	55.7	55.9	55.9	55.5	50.9	55.9	55.9	55.9	55.9	55.9
		- • •							,,,,	33.				3.4			
40.2	เลวบาไ	2.7	46.3	54.5	58.9	62.2	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
	80,001	2.7	46.3	54.5	58.9	62.2	63.4	64.1	64.4	64.4	54.4	64.4	64.4	64.4	64.4	64.4	64.4
	63301	2.7	46.3	54.5	58.9	62.2	63.4	04.1	64.4	64.4	64.4	64.4	54.4	64.4	64.4	64.4	64.4
	40001	2.9	46.6	54.7	59.2	62.6	03.9	64.5	54.6	64.8	64.8	64.9	64.8	64.3	64.8	64.8	64.8
	anasi	3.0	47.2	55.7	63.3	63.7	65.1	65.9	66.2	06.2	66 • 2	66.2	66.2	66.2	66.2	66.2	61.2
					0					0011	3012					• • • •	
J = 1	00001	3.3	53.1	59.1	64.5	68.8	70.3	71.5	71.8	71.8	71.8	71.8	71.6	71.B	71.5	71.8	71.8
	90001	3.2	20.4	59.5	64.9	69.2	70.8	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
	6 371	2.3	52.9	63.2	67.1	73.4	74.9	76 - 1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
	7: 331	3.3	53.9	64.3	74.3	74.7	76.2	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
	60001	3.3	53.9	64.3	73.3	74.9	76.0	77.7	79.1	78.1	70.:	70.1	78.1	78.1	78 - 1	78 - 1	76.1
.,	0 3	3.0	, , , ,	0 ,		, ,	70.0		, , ,			. • 1	. 5 . 1	7.7.		, 0 • •	
., 5	90001	3.3	54.7	65.3	71.6	76.2	78.J	79.1	79.5	79.5	79.5	72.5	79.5	79.5	79.5	79.5	79.5
	45071	3.3	55.6	66.3	73.7	77.4	79.1	80.3	50.6	83.6	80.6	87.6	AJ.6	63.6	A0.5	87.6	80.6
	47001	3.3	56.5	67.6	74 . 3	77.1	60.9	82.3	92.4	82.4	82.4	82.4	52.4	42.4	92.4	82.4	A 2 . 4
	35 101	3.3	57.1	64.9	75 • 6	03.4	82.2	83.4	83.8	0.3.8	P3 + n	82.8	33.8	85.9	63.8	83.8	E 8
	3,331	7.3	53.5	73.5	77.5	82.5	F4 2	85.5	95.9	85.9	£5.9	8.0	P5.9	85.9	85.9	85.9	85.9
	5 / 5 5 1		, ,• 3	1.709	,	02.5		03.0		0,10,		• •		0,.,	,.	034,	0347
υE	25 394	3. 3	54.7	71.4	76.3	87.2	£4.9	86.3	86.9	86.7	R6 . 9	97.9	47.0	87.7	P7.4	87.0	87.0
	anuni	7.3	58.9	71.9	70.8	84.1	65.8	87.2	87.B	87.8	97.5	80.0	98.0	88.3	88.0	89.0	P8.0
	16001	3.7	54.9	71.9	78.9	84.2	86.5	87.4	93.1	69.1	Fd . 1	89.2	88.2	88.2	98.2	68.2	F8.2
	10001	7.7	59.6	73.3	30.1	85.6	e 7 . 5	89.7	89.7	59.7	99.7	g c .a	89.8	89.8	89.8	89.8	89.8
	15001	3.3	59.6	73.2	A3.5	56.3	Re. J	80.6	90.2	95.2	20.2	90.1	90.3	97.3	90.3	90.3	90.3
	•									-							
67	10,01	3.3	63.0	74 - 1	21.4	£7.4	69. D	90.6	91.3	91. 7	91.3	91.4	91.4	91.4	91.4	91.4	91.4
u f	1001	3. 7	67.3	74	61.5	07.2	89.2	97.9	91.5	91.5	21.5	91.6	91.6	91.6	91.6	91.6	91.6
ÜL	P 30 1	3.3	63.0	74.2	81.9	EP.J	9 L • G	91.6	92.4	92.4	72.4	92.5	42.5	92.5	72.5	92.5	92.5
G.E.	7.001	2.3	73.1	74.4	82.2	68.2	96.2	91.9	92.7	92.7	92.7	97.4	92.8	42.4	92.6	92.8	92.8
€ F	(55)	7	0.1	74.5	22.4	89.6	90.8	92.5	93.2	93.7	23.2	97.1	93.3	93.	93.3	91.3	93.3
U		• •				0 - • 0	,	,,,,				, • .		.,			
., .	r nj	7.3	63.1	74.7	82.5	89.4	91.5	93.2	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5
t. F	4001	3.3	6 1.1	74.7	R2.6	89.5	91.6	93.7	74.6	74.6	74.€	94.5	94.6	94.9	74.8	94.8	94.8
į r	1,51	7. 3	60.3	75.1	87.3	90.0	2.4	94.7	95.4	¥5.8	95.6	96.^	96.0	96.1	96.1	96.1	96.1
ÜΕ	6 1, 5 1	3.2	60.5	75.4	F 3 • 7	90.3	92.7	94.6	96.6	96.9	27.1	97.4	97.4	97.6	07.6	97.7	97.7
C.F.	1	3.3	65.5	75.4	9 (	90.4	92.8	94.7	96.9	45.4	77.4	9 . 4	97.8	68.7	2.80	95.4	99.1
		•••			,			, ,		. , .							•
6.5	91	7. 3	€3.5	75.4	P3.5	90.4	52.8	74.7	96.4	96.9	27.4	97.9	77.8	98.2	96.7	94.5	106.0
	-																

TOTAL NUMBER OF ORSERVATIONS: 400

GLOBAL CLIMATCLOGY BRANCH GSAFLTAC AIP DEATHER SERVICE/HAC

# PERCENTAGE FREQUENCY OF OCCUPPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

								IRE AFB					MONTH	: JUL		(LST):		
	LING		••••	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	•• • • • •			IN STATE			• • • • • • •	• • • • • •	• • • • • •	• • • • • •	•••••
1			CE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	G€	G£	GE
FE		1	10		5	4		2 1/2		1 1/2		1	7/4	5/8	1/2	5/16	1/4	5
u c	CÉIL	'	3. 7	34.0	30.6	43 + 8	48.4	5.C. 1	51.5	52.2	52.2	52.7	53.C	53.0	53.2	٠3.2	52.3	53.7
ե _լ ք	zecu	T 1	3.4	38.4	45.2	50.2	55.8	58.1	59.9	60.9	63.9	61.4	61.9	61.8	62.2	62.2	62.4	62.7
L F	1600	13	7.4	78.4	45.2	50.2	55.8	56.1	59.9	6J.9	60.9	61.4	61.6	61.8	62.2	62.2	62.4	62.7
LE	1613	c i	7.4	76.4	45.2	50.2	55.8	58.1	59.9	65.9	60.9	61.4	61.9	61.6	62.2	62.2	62.4	62.7
Lr	14"	21	3.4	78.4	45.2	ت د را -	55.8	58.1	59,9	61.0	61.0	61.5	61.9	61.9	62.3	62.3	62.5	62.8
G.F.	1211	10	7.5	36.1	46.0	51.3	57.0	59.2	61.3	62.4	62.4	62.9	63.3	63.3	63.7	63.7	63.9	64.2
ı t	11.1	S I	3.5	41.6	49.1	54.9	61.6	64.1	66.6	67.6	67.6	68.5	68.9	68.9	69.2	69.2	69.5	69.8
	9.	21	7. (	41.6	49.1	54.9	61.6	64.1	66.6	67.6	67.6	68.5	60.9	68.9	69.2	69.2	69.5	69.8
üί	87.0		7.0	4 3 . 3	51.3	57.6	64.7	67.3	70.1	71.4	71.4	72.3	72.7	72.8	73.1	73.1	73.3	73.7
G.F	706	. i	7.5	43.7	51.7	58.1	65.3	67.8	70.6	71.9	71.9	72.8	73.2	73.3	73.7	73.7	73.9	74.2
t, r	6:3	101	3.5	44.6	52.0	64.87	65.9	68.6	71.4	72.7	72.7	73.5	74.0	74.1	74.4	74.4	74.6	74.9
i. f	100	าเ	3.1	44.6	52.7	59.4	66.8	69.5	72.5	73.8	73.8	74.6	75.1	75.2	75.5	75.5	75.7	76.C
55	4		3 5	45.3	53.6	63.4	68.4	70.9	74.0	75.3	75.3	76.1	76.6	76.7	77.0	77.3	77.2	77.5
	4( )		۲. ۲	46.5	54.5	61.2	69.0	72.0	75.2	76.5	76.5	77.3	7P.1	78.2	78.5	78.5	78.7	79.0
u.E	353		7 r	46.9	55.4	62.0	70.1	73.1	76.5	77.7	17.7	78.6	79.5	79.6	79.9	79.9	83.1	86.4
!	3. 0		3. "	47.6	56.5	63.4	71.6	74.6	79.0	79.2	79.2	P0.1	81.0	1.18	81.4	81.4	81.6	81.9
u F	٠,		۲. ۲.	47.7	57.3	64	72.5	75.3	78.6	79.9	19.9	9 D . B	81.6	81.7	82.0	ر. و و	87.3	82.6
r	: 3		3.7	40.0	57.3	64 . 0	72.9	75.9	79.2	80.5	80.5	91.4	82.3	82.5	93.0	93.0	63.2	83.5
. !	10		3.5	48.0	57.5	64.6	73.1	76.1	79.5	80.5	83.8	P1.6	87.5	82.7	83.2	93.2	83.4	63.8
	11.			44.4	56.2	15.7	74.2	77.2	80.5	91.8			87.5	A3.8	84.3	94.3	64.5	84.8
1	1		, .	44.9	59.5	66.7	75.3	78.3	81.7	83. T	81.º 85.1	°2.7	84.7	84.9	85.5	95.5	85.7	86.0
, ,	٠	٠.	7.0				<b>.</b> .	79.5				95.4		86.5	87.3	A7.J	07.5	87.5
		-		47.	50.5	67.4	76.5		# 3 # D	P4,4	64.4		86.2				87.2	#8.G
5 E	۲.		7.	44.j	59.5	67.5	76.9	79.8	83.4	54.8	84.5	95.8	85.7	96.9	87.4 88.4	07.4 08.4	87.6 69.6	
					59.0	66.	77.4	£ 5	84.2	85.7	05.7	96.7	67.6	37.8				86.9
. !		21	1.5	47.1	6	6.83	79.3	91.1	64.7	6.2	66.?	F 7	80.7	86.4	88.9	88.9	69.1	89.5
•	′	.31	7.5	49.2	60.0	67.7	78.4	31.6	85.4	P 7 • 1	67.2	₽8.5	89.5	29.7	90.2	90.2	90.4	90.8
€, r		. T	₹. €	44.2	60.2	64.0	70.9	02.4	86.5	68.3	8.5	99.5	91.1	71.3	91.9	01.9	92.2	92.5
. !		. 1	7 . 5	40.5	ຍົ∙3	69.3	77.1	57	67.0	P 7 . 1	47.7	91.2	97.4	95.6	93.2	03.2	93.4	93.6
, ,		~ 1	3.5	4.00	6^.6	64.7	79.5	63.4	35.3	31.6	91.2	92.7	94.7	94.2	94.9	94.9	95.2	95.5
1		1	3.5	49.4	60.6	64.7	79. a	F 3. 4	89.	97.4	91.4	93.7	94.7	94.9	96.3	96.0	96.3	96.7
., •	: -	1	3. E	47.4	67.6	19.7	79.8	93.4	68.3	47. 9	91.4	93.3	94.7	94.9	96.3	06.3	97.4	98.9
		- 1	3.5	40.4	6.3.6	19.1	19.8	43.4	88.3	20.9	91.4	93.3	94.7	94.9	96.3	26.3	97.5	100.0

TOTAL NUMBER OF COSEPVATIONS:

GEGDAE CLIMATOLOGY PRANCH USAFFTAC AIR WEATHEN SERVICE/MAC

## PERCENTAGE FREQUENCY OF GCCURPENCE OF CFILING VERSUS VISIBILITY FROM FOURLY COSERVATIONS

STA	TICH NU	յանքե:	734096	STATI	ON WAME:	₩C Gu	IRE AFB	NJ				PER100 MONTH		0PD: 78	-87 (LST): (	1600-08	co
		• • • • •	• • • • • • •		• • • • • • • •	• • • • • •	•••••			IN STATE							•••••
C 11		GL	LΕ	GC	υE	GE	GE	GE	GF.	GE GE		SE					
rei		-	6	о. 5	JE 4		2 1/2		1 1/2		GE i	374	G € 5.78	GE 1/2	GE 5/16	GE 1/4	GE D
		••••	• • • • • • •	• • • • • •									• • • • • • •				
4.2	CETE	u 7	33.7	39.7	42.3	45.1	42.3	42.3	47.7	49.9	50.4	5~.3	50.8	51.2	51.3	51.3	51.5
• , ,	CCIC	4.7	) )• (	37.1	46.0	43.1	46.2	4,	4747	47.7	70.4	, .,	70.0	31.2	71.03	51.5	21.2
υĒ.	adhud L	5.3	18.4	44.1	43.1	53.4	55.7	56.8	57.5	57.8	58.8	59.2	59.2	59.7	59.9	60.0	60.3
6 E	100301	5.3	54.4	44.1	40.1	53.1	55.7	56.9	57.5	57.9	58 • 6	57.2	59.2	59.7	59.9	60.0	60.3
L F	167031	5.3	34.4	44.1	49.1	53.1	55.7	56.9	51.5	57.8	58.8	59.2	59.2	59.7	59.9	60.0	6C.3
ί.	145 331	5 . T	* 4.4	44.3	48 . 3	53.5	50.1	57.2	53.0	58.3	69.2	59.7	59.7	60.1	60.3	67.4	60.8
٦٠,	127001	5.4	79.4	45.8	44.8	55.2	57.7	59.9	59.6	59.9	60.9	61.3	61.3	61.7	61.9	62.0	62.4
, r	100001	5.5	41.6	48.6	53.7	57.8	62.4	64.1	65.1	65.4	66.5	67.1	67.1	67.7	68.0	68.1	66.4
., -	∍audi	F . F	41.7	44.7	53.5	59.9	62.5	64.2	65.2	65.5	66 • 6	67.2	67.2	67.8	68.1	68.2	68.5
0.5	ะเมาไ	5.5	44.5	52.6	57.3	64.9	56.0	69.8	71.0	71.3	72.4	73.7	73.1	73.9	74.1	74.3	74.6
1,5	7 - 201	5, 6	45.2	53.4	54.7	65.4	66.9	70.9	71.9	72.3	73.3	74.1	74.2	74.9	75.2	75.4	75.7
	67431	5.5	45.5	53.8	59	66.2	69.2	71.1	72.3	72.6	73.7	74.4	74.5	75.3	75.5	75.7	76.0
	-																
, -	50001	5.5	45.6	54.4	57.7	66.9	65.9	71.7	72.9	73.2	74.3	75.1	75.2	75.7	76.1	76.3	76.7
65	45 JO	5.5	46.5	55.2	60.5	67.4	72.2	73.1	74.3	74.5	75.7	76.5	76.6	77.3	77.5	77.7	76.1
J.F	41571	5.5	47.1	55.9	01.3	69.5	72.4	74.3	75.5	75.8	76.9	77.6	77.7	78.5	7a.7	18.9	79.2
3 T.	35 - 31	5.5	49.0	56.9	62.3	77. 7	73.5	15.5	76.4	77.1	79.4	79.1	79.2	37.0	9 O • 2	89.4	86.9
a f	37 27 [	5.5	49.6	58.1	63.8	71.7	75.5	77.4	78.8	79.1	₽7•€	81.4	91.5	32.3	92.5	82.7	83.1
, -	25 221	5.5	40.0	59.2	64.1	12.0	75.8	77.7	79.1	19.5	91.6	91.7	91.9	82.5	82.6	83.3	P3.4
45	31331	5.5	49.5	59.7	64.7	12.7	76.6	78.5	51.3	80.4	81.9	87.4	62.9	93.7	P 3 . 9	84.1	A4.5
, F	18.71	5,6	49.5	59.5	54 . 3	72.9	76.7	78.7	43.1	a 3 • 5	2 . C	87.9	93.0	83.9	£4.3	84.2	84.6
, <del>.</del>	ir Joi	5.5	57.1	57.0	66.2	74.3	76.4	80.5	81.9	62.5	04.1	35.1	R5 • 2	96.0	06.2	66.5	86.9
٦.	12351	5.5	9 <b>7.3</b>	67.1	55 + 5	74.7	76.9	81.2	92.7	63.2	24 . F	5 ° . A	35.9	96 • A	97.3	87.2	87.6
										_							
7 <u>5</u>	1,107]	5 • 5	1.9	53.3	67.3	75.5	40.0	82.4	14.3	84.5	P6 • 1	87.1	37.2	98.1	88.3	88.5	56.9
u Ē	9	5 . 5	53.9	67.9	67.4	76.3	HU. 3	87 . 5	24.4	95.1	96.7	87.6	87.7	49.6	48.8	69.0	89.5
ų E	6 ~ 2 l	5.5	51.1	51.2	63.1	76.7	°1.1	83,5	35.3	85.0	P7.6	88.6	88.7	49.6	49.8	90.0	90.4
٦.	7 3 3 1	5.	51.1	51.5	64.5	77.3	31.7	94.2	80.3	96.7	98.4	44.5	69.6	93.4	30.6	90.9	91.3
., f	6001	5.5	51.2	61.9	69.4	74.5	° 2 • 6	85.4	37.2	84.1	87.8	77.9	91.0	91.9	92.3	92.3	92.7
μŗ	1001	5.5	51.4	67.2	59.5	78.5	43.9	97.2	87.5	90.2	72.3	97.4	93.5	94.7	94.9	95.2	95.6
ι, τ	4:31	5.5	51.4	62.2	69.5	78.7	44.1	87.5	9.1. 2	93. a	23.0	94.4	94.5	95.7	95.9	96.1	96.6
u F	7 4 3 1	5.5	71.4	67.2	6 5	79.7	64.1	97.5	93.4	91.3	73.5	95.3	95.4	97.3	97.3	97.7	98.2
		5.5	6.1.4	62.3	63.0	70.0	94.2	37.6	+ 1. 6	91.5	23.9	94.1	96.3	98.1	98.4	98.8	99.4
a t	:431	5.5	5,1.4	62.3	64.6	79.0	44.2	87.6	93.6	91.5	94.0	96.2	96.5	98.2	98.5	99.0	99.8
٠,٠	41	٠,5	91.4	62.3	61.0	19.5	34. Z	67.6	73.6	91.5	94 • C	36.2	96.5	78.2	98.5	99.0	100.3

TOTAL NUMBER OF DISERVATIONS: 930

GLORAL CLIMATCLUGY BRANCH USAFLTAC AIR WEATHER SFRYICE/MAC

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

	-			•			IRL AFB	-				MONTH	OF REC	HOURS	(LST1:		00
	 LING	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •			FILITY				• • • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • •
F & 6	1 I	GL 10	39 8	GE S	6E 4		65 2 1/2	G E	GE 1 1/2	GE 1 1/4	٩٤ 1	F.L ₹/4	G [	GE 1/2	5E 5/16	j€ 1/4	GE D
	CFIL i	7•1	34.5	44.9	48.0	51.1	51.1	51.4	51.6	51.8	51.6	51.6	51.6	51.R	51.6	51.8	51.8
	100001	7.4 7.4	44.t 44.7	51.1 51.2	56.4 6.4	54.7	56.7 58.8	59.n 59.1	59.5 54.6	59.5 59.6	59.5 59.6	59.5	59.5	59.5	59.5	59.5	59.5 59.6
	161021	7.4	44.7	51.2	66.1	58.9	58.8	59.1	57.6	59.6	24.6	59.6	59.6	59.6 59.6	59.6	59.6 59.6	59.6
	147 0 11	7.4	44.6	51.4	56.3	59.1	59.1	59.5	59.9	9.7	59.5	50,0	59.9	59.9	59.9	59.9	59.9
(, r	12 - 21	7.7	46.7	5 7 .5	56.05	61.3	61.3	61.6	62.0	62.0	65.0	62.0	62.3	62.3	62.0	62.0	62.0
	100001	P+C	55.1	57.4	63.5	66.1	06.1	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
1, 5	90001	3.0	52.2	57.5	63.4	66.2	66. 6	66.7	67.2	67.2	47.2	67.3	67.2	67.2	67.2	67.2	67.2
1, F	8 551	9 • 0	54.0	62.3	66.3	71.6	71.1	72.2	72.7	72.7	72.7	77.7	72.7	72.7	72.7	72.7	72.7
t F	7 001	8.0	54.6	63.5	60.4	72.7	72.8	73.2	73.8 74.0	73.9 74.7	73.8	77.4	73.8 74.9	73.9	73.8 74.0	71.8	73.8
i, E	60501	P. *	54.7	63.4	69.5	12.8	73.0	73.4	74.0	74.	74.0	74.0	74.0	74.3	74.6	74.0	74.6
ωF	5,001	9 • 0	5.5.3	64.1	70.5	74.J	74.2	74.6	75.3	75.3	75.3	75.	75.3	75.3	75.3	75.3	75.3
υ£	45.,01	9.0	55.7	65.1	71.0	75.1	75.4	76.7	76.7	16.7	76.7	76.7	76.7	16.7	76.7	76.7	76 • 7
ĢΕ	41.001	P • C	56.5	65.9	7 9	76.3	76.7	77.3	73.0	74.0	78 • (	70.3	78.0	79.7	78.0	78.0	78.6
1.6	3501	٦.٩	57.6	67.4	74 . 6	78.3	76.6	79.2	79.9	01.1	90.1	87.1	69.1	87.1	4J.1	87.1	86.1
', F	30.001	b.2	€ 7.5	70.4	78.2	67.t	82.5	83.3	64. 1	84.2	24.2	£4.2	P4 • 2	84.2	P4.2	84.2	F4.2
L.F	25 301	P . 2	61.7	71.9	79.9	84.3	£4.7	65.7	Ff.3	66.6	F6.6	66.46	A6.6	66.6	F6.6	86.6	46.6
L.F	1.00	5.7	62.8	73.4	F1 . 8	66.7	87.2	68.2	86.6	89.1	49.1	89.2	P9.2	49.7	F4.2	69.2	89.2
E	1500	9.2	62.9	7 7 .5	a j . 9	86.8	£7.3	88.3	98.9	87.2	09.2	80.4	43.4	39.4	R9.4	89.4	89.4
ιE	If Col	8.2	€4.0	74.8	83.5	8.83	89.4	9 M . 5	91.2	91.5	91.7	91.7	71.9	91.9	91.9	91.9	91.9
, F	15661	6.2	1 4.5	75.4	84.2	84.9	95,4	91.6	42.3	45.4	65.6	91.7	93.0	43.5	03.0	93.0	93.0
6 F	10201	٠, ٦	£5.1	76.1	F5.1	91.1	92.2	93.7	94.4	94.7	54.5	91.2	95.2	45.2	95.2	95.2	95.2
LF	5.001	8 . 2	€5.2	76.3	65.4	91.7	92. b	94.3	95.1	45.4	95.€	yr.c	95.8	95.9	95.A	95.8	95.8
( F	F: 1		(5.2	76.6	65.0	92.2	93.2	94.8	95.6	35.9	96.2	91.6	46.6	96.6	96.6	96.6	96.6
L f	7001	9.7	15.2	76.8	85.8	72.6	93. €	95.5	96.2	¥6.6	٥7.6	97.	97.3	97.3	97.3	97.3	97.3
1	6601	2.2	65.2	76.8	65.6	52.7	93.9	95.7	96.6	46.9	37.4	97.7	97.7	97.7	97.7	97.7	97.7
ιE	5.31		65.3	77.:	86.1	93.5	44.3	46.5	57.6	12.5	98.5	90.4	c 6 . 8	98.8	98.8	98.8	98.0
€. €	4.321		65.3	77.1	66.2	93.3	94.7	97.1	26.3	98.6	49.1	99.5	99.5	99.5	99.5	99.5	99.5
15	1001	P . 2	65.3	77.2	PE . 3	93.4	44.9	97.3	98.5	4 . P	9.4€	90.9	99.5	99.9	99,9	99.9	99.9
i. E	- (1)	F • 2	65.3	77.2	F( . 3	93.4	94.9	97.3	98.5	78.8	94.6	127.7	100.0	100.0	100.0	100.0	100.0
, r	1001	F.2	45.3	77.2.	P6 • 3	93.4	94.9	97.3	78.5	¥8.8	96.6	137.7	100.0	100.0	100.3	100.0	100.0
CT	: 1	5.2	65.3	77.2	86.3	93.4	34. 9	97.2	94.5	96.6	99.€	167.7	173.5	100.0	170.0	100.0	100.0

TOTAL NUMBER OF OFSERVATIONS: 931

GLORAL CLIMATOLOGY RRANCH LSAFETAC ATU NEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NU	MPER:	724296	STATI	ON NAME:	ال کا کا	IRE FFB	NJ				PEPIOD	OF PEC	DRD: 78	-87		
											MONTH	-		(LST):		
CEILING	• • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	•••••		EILITY				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
IN I	GE	GE	GE	(F	GE	GE	G E	GE	CE TM 21616	of nate	56	GE	GE	32	GE	GE
FEET	10	·ι	5	Ŭ, 4		2 1/2			1 1/4	1	174	5/8	1/2	¢/16	1/4	ິດ
															• • • • • • •	
NO CEIL I	6.1	76.8	4 G • 5	43.9	44.8	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
de atrant	7.1	45.3	48.7	53.0	54.3	54.6	54.8	54.9	54.0	54.9	54.7	54.9	54.9	54.9	54.9	54.9
or large!	7.1	43.3	49.7	53.0	54.3	54.6	54.8	54.9	4.9	54.9	54.9	54.9	54.9	64.9	54.9	54.9
GF 160001	7.1	43.3	48.7	53.0	54.3	54.6	54.8	54.9	54.9	e 4 . 4	54.0	54.9	54.9	54.9	54.9	54.9
GE 146601	7.1	43.5	48.5	53.2	54.6	54.9	55.2	55.3	55.3	55.3	55. 1	44.3	55.3	55.3	55.3	55.3
บร โลแลนไ	7.2	44.6	50.0	F5.4	57.1	57.4	57.6	57.7	57.7	47.7	57.7	51.7	57.7	57.7	57.7	57.7
6F 1U3031	7.3	47.5	54.0	54 • u	67.8	61.1	61.3	4 4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
65 9000  65 8500	7 . 3	47.6	54.1	59 • i 64 • 7	67.9	61.2	61.4	61.5	41.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5 67.4
65 700C1	7 . A 7 . B	52.5	59.5 60.1	65.6	66.8	67.1 68.U	67.3	67.4 65.3	67.4	67.4 68.3	67.4 68.3	67.4 65.3	67.4	67.4 66.3	68.3	68.3
00 6'321	7.8	53.0	60.9	60.3	68.5	68.8	69.3	67.1	09.1	69.1	69.1	67.1	69.1	69.1	69.1	69.1
3. 0 3.1	0	55.0	03.,	08 . 3	4.7	00.0	0,43	0 / • •	0,11	.,,,	0	0.41	4,11	,		
66 550C4	7.8	53.5	51.4	67.0	69.2	69.6	69.9	67.9	60.9	69.9	69.9	69.9	59.9	69.9	69.9	69.9
)F 4537]	7.9	54.5	52.7	68.4	77.6	71. L	71.2	7:.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
JE 47691	7.8	55.6	63.4	73.8	73.1	73.7	73.9	74.	74.7	74 . C	74.0	74.0	74.3	74.0	74.0	74.0
6F 3F J01	8.5	52.2	72.4	Mú•1	62.7	33.4	87.7	N 5. A	43.P	F.3.8	87.9	93.8	84.7	84.3	84.C	84.6
6F 3 331	6.9	2005	77.c	26.2	80.7	90.3	90.5	90.€	30.6	აე.6	97.6	91.6	93.9	93.9	93.9	90.9
65 25431	8.9	67.5	79.1	88.4	91.7	42.4	92.6	92.1	92.7	92.7	92.7	92.7	72.9	92.9	92.9	92.9
20031	5.9	69.5	81.5	92.8	94.6	95.4	95.7	45.8	3 . 3	95.6	95.9	95.8	96.0	96.3	96.0	96.0
05 15001	я о	67.6	82.0	91.1	94.9	95.7	96.7	70.1	16.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3
Jr 15.71	â.9	7 ^ . 3	93.1	92.3	96.1	97.0	97.3	97.4	37.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6
65 10001	9.9	70.5	8 5 . 5	42.1	45.7	47.5	97.8	34.€	95.0	98 . C	90.0	79.0	99.2	98.2	98.2	98.2
		** -														
55 1030) 35 9311	P. 7	70.5 73.8	83.5 93.9	92.7 93.5	97.3	ით.ე 98.5	98.5	93.4	99.4 •9.1	99.4	9°.4	99.4	98.6 99.2	98.6	99.2	96.6 99.2
F Jan	H.J	7	81.9	33.0	37.4	76.5	94.9	49.5	,9	39.6	93.7	39.0	99.2	99.2	99.2	99.2
4.5	<b>q q</b>	77.8	13.9	31.7	97.5	78.7	99.3	77.4	y 9 . 4	09.4	90.4	99.4	99.6	99.7	99.7	99.7
3 61	8.9	7	03.9	93.1	97.5	\$8.0	99.4	19.5	99.5	59.5	99.5	99.5	99.7	99.8	99.8	99.8
		. ,	0	,	,,,,	- 4,0	,,,,,	,,,,	, ,	.,.,	, ,	,	• • • •			.,
55 5001	٠, ٩	7n	5 7 . 9	93.3	97.5	98.9	47.5	77.6	,7.6	39.€	99.6	99.6	39.8	99.3	99.9	99.9
3° 4,34	2.9	٠ ٥	43.9	93.0	47.5	26.8	99.5	23.6	,4.7	99.7	97.7	99.7	99.9	100.0	100.0	100.0
- 55 Table	4.9	7 2.0	93.9	93.3	97.5	48.5	99.5	77.6	14.7	99.7	99.7	99.7	99.9	170.0	100.0	100.0
05 2031	4.9	73.6	83.9	73.3	97.5	98.9	99.5	77.6	94.7	79.7	90.7	59.7	99.9	100.0	100.0	100.0
əf 1971	1.9	7.3 · B	3 5 <b>.</b> 9	93.1	97.5	. 6 . 3	99.5	94.6	44.1	59.7	97.7	99.7	99.9	100.0	100.0	100.0
55 11	2.9	73.6	83.9	93.0	97.5	26.9	99.5	39.6	49.7	29.7	99.7	99.7	99.9	193.0	100.0	100.0
	-															

TOTAL NUMBER OF OISERVATIONS: 130

CLUBAL CLIMATOLOGY GRANCH USAFETAC AIR WEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ PEPIOD OF RECORD: 78-87 MONTH: JUL HOURS(LST): 1507-1700 CTILING VISIPILITY IN STATUTE MILES GE GE GE GE 2 1 1/2 1 1/4 1 5E 65 3 2 1/2 TN | FLET | GŁ 6£ 1/2 GE 1/4 GE U 3/4 5/8 5/16 NO CETE 1 3.1 34.3 42.0 47.1 47.6 47.7 47.7 41.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 57.2 67.7 57.2 57.7 57.7 55+3 56+2 57.3 57.5 57.2 57.7 57.2 57.2 57.7 66 1ar351 51.2 57.7 57.7 57.7 57.7 9.6 45.5 57.7 57.7 57.7 57.7 65 165001 8.6 45.5 50.2 57.5 57.7 57.7 57.7 57.7 57.7 UE 140001 UE 130001 45.5 51.2 50.2 57.7 58.0 65.3 59.5 58.0 58.7 58 .-C 54.7 58.3 63.3 58.7 53.0 58.n 58.0 63.3 60. .0.0 67.0 60.0 45.7 53.7 60.0 65 1Jh001 49.8 56.7 63.8 64.0 64.5 64.3 62.4 54.3 64.0 64.9 64.0 64.3 64.0 64.3 64.0 Ur 97031 Ur 83031 9.5 53.3 57.7 62.4 64.1 64.3 76.3 64.3 64.3 7J.3 54.3 73.3 64.3 70.3 04.5 64.3 64.3 7J.3 54.3 70.3 64.3 64.3 54.9 52.8 1, 7 . 1 71.8 74.0 76.0 80.8 87.6 5 habit 9. 56.7 57.8 67.5 55.7 71.6 73.7 74. 3 74.3 76.3 93.8 74.7 76.7 74.3 74.0 74.0 14.0 74.0 74.7 74.0 73.4 76.7 76.0 80.8 76.6 83.8 87.5 45331 ٥, و 15.7 76.0 83.8 97.6 75+3 87-9 87-6 67.4 76.0 76.0 76.0 4001 3137 7.6 51 71.0 87.2 97.8 97.6 83.8 90.8 60.8 3.7 57.6 87.7 87.7 77.0 14.3 87.6 97.7 87.7 54.5 ١, ۶ 68.8 6.5 6.5 6.5 2500| 10.0 2500| 12.0 1900| 10.0 67.4 87.5 47.7 94. 24.4 94.6 24.7 74.7 94.7 94.7 94.8 94.8 94.8 94.8 49.9 70.1 75.6 75.8 43.3 93.3 95.1 75.6 95.9 16. U 46.3 96.1 96.3 96.7 96.5 76.2 96.5 95.3 96.6 96.3 96.3 96.3 83.2 95.3 95. 8 96 • 1 96.6 96.6 96.6 ٠, ۴ 15 30) 12 31 97.2 95.7 76.5 96.9 97.0 97.1 37.1 97.2 97.2 91.2 97.0 97.6 91.7 96.2 47.5 47.4 97.5 90.0 11 10001 1000 71.0 84.2 92.0 97.B , q . 7 98.4 94.5 98.6 98.6 96.4 74.3 94.5 98.6 98.6

98.2

93.7

99.7

99.2

99.2

97. A

97. B

98.2

96.3

78.4

98.4

70.4

36.4

48.4

99.3

75.A

29.4

99.4 99.4

19.4

99 4

79.4

98.4

98.9

79.1

99.6

29.€

79.6

79.€

79.6

78.3

79. H

27,4

97.4

99.4

98.5

99.0

99.7

99.7

79.7

99.7

99.7

73.6

99.9

99.9

100.0

120.0

99.7 100.0 100.0 100.0 100.0

99.6

97.4

99.9

99.9

123.3

132.0

199.9

98.6

99.9

99.9

107.0

150.0

98.6

98.6

99.9

99.9

100.0

100.0

100.0

90.5 90.5

42.2

97.7 90.7

99.7

99.7

99.7

TOTAL NUMBER OF OBSTRUCTIONS: 750

71.3

71.5

71.0

71.0

34.2

44.2

84.2

94.2

92.3

92.2

92.4 92.4

92.4

0. . 4

46.8

96.8 97.J

97.2

97.2

97.2

332| 13.0 633| 13.0 7.3| 13.0

502| 13.0 4.0 10.0 350| 13.0 130| 17.0 100| 10.0

11 10.0

G.F

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GEORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# PENCENTAGE FRINCENCY OF OCCURPENCE OF CFILING VEHSUS VISIBILITY FROM +OURLY OBSEPVATIONS

STATION NUMBER:	724196	STATI	ON NAME:	MC GU	IRE AFB	LP				PEPIOD	OF PEC	OPD: 78	-97		
											։ յսլ		(LST):		
0516146	• • • • • • •	•••••	• • • • • • • •	• • • • • •	•••••				• • • • • • •	· · · · · · ·	• • • • • •	• • • • • •	• • • • • •	• • • • • •	•••••
14   GE	GE	SF	6E	GE	67	G F A 121	. B1E1FF	IN STAT	GE TIL	65	66	GŁ	GE	GE	GE
רובד ו "בר	٠,٠. د	5,5	31.		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	) (
															-
13 CEIL   9.3	43.4	47.3	52.2	53.1	53.1	53.2	53.2	5 ? • 2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
				_		_									
9.1 9.1	1.2	57.3	65.	65.4	65.7	65.9	65.3	65.9	65.8	65.2	65.8	65.9	65.8	65.8	65.8
9.1 Jul 9.1	51.2	57.3	63	65.5	65.8	65.9	65. 7	65.7	45.9	6.0	65.9	65.7	65.9	65.9	65.9
56 160u3  9.1 55 14000  3.1	51.2 51.6	57.8 57.8	03.4	65.5	65.8	65.9	55.7	25.9	65.4	65.7	65.9	65.9	65.9	65.9	65.9
05 14 37 41 05 127301 9.1	52.3	59.7	65 . 4	67.3	61.1	66.4 67.8	60.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
0. 15 301 411	72.5	3741	05.4	0 ' • 3	01.1	01.0	67.5	07.9	67.e	67.R	67.8	57.9	67.6	67.8	67.8
F 1.5051 9.4	E 7.4	54.4	71.4	73. 3	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
95 97351 9.4	57.8	64.0	71.9	74.4	14.7	74.4	74. A	74.P	74 . P	74.9	74.8	74.8	74.8	74.8	74.8
9.9 louna 30	64.6	59.5	70.4	79.4	79.8	80.7	3 3 . 6	47.7	30.0	87.3	80.u	87.2	83.3	60.0	80.0
r 7:331 9.9	52.5	69.0	71.2	79.7	HC. 2	87.3	93,3	0.)	43.3	97.3	A 9 . 3	90.5	P3.3	82.3	80.3
55 65531 9.9	62.2	17.3	77.4	37.7	50.4	80.5	4 1.5	<b>80.5</b>	90.5	61.5	P J . 5	97.5	P3.5	67.5	e C . 5
ur 50uml 3∙6	63.6	71.7	79.2	82.J	A2.4	82.5	92.5	32. °	92.5	82.5	92.5	82.5	°2.5	82.5	82.5
45 10 9.9	63.9	12.3	73.1	8.	13.5	83.6	83.6	ø3.6	93.6	A 7 . 5	A 3 . 6	43.5	#3.6	83.6	63.6
UF 4703 17.2	45.5	74.4	35.9	46.3	A6. 9	67.0	a 7 . L	67.	47.C	67.7	87.0	67.3	97.3	87.0	87.0
5 35001 10.2 5 35001 11.2	10.2	75.0	-4,4	64.5	49.0	87.1	37.1	o 9 • 1	99.1	69.1	89.1	57.1	99.1	89.1	89.1
65 3rupl 13.2	67.3	77.3	46 • 7	91.2	91.7	91.9	01.4	11.3	31.9	91.9	21.3	91.9	01.4	91.9	01.9
05 25001 1342	67.7	77.4	n7.5	97.1	26.7	92.3	93.9	+3.°	23.0	97.7	93.0	93.0	93.1	93.9	93.0
JF 21271 10.2	4 4 . 1	77.9	Ha . 3	93.4	94.2	34.4	94.5	94.5	74.5	94.5	24.5	94.5	94.5	94.5	94.5
of 1=311 13⋅2	53.4	74.3	P4.1	93.3	74.6	94.4	34.9	94.3	9.40	94.7	94.9	94.9	94.9	94.9	94.9
17 17 JAI 17.2	4	19.5	93.1	95.7	46.7	97.	27.1	·7.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
67 42511 4342	67.4	19.:	7.1.1	95.7	46.1	97.7	97.1	77.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1 77 1 77 10+2	67.4	79.7	9 1.5	95.2	57. €	47.6	27.7	¥7.7	97.7	9 . 7	97.7	97.7	97.7	47.7	97.7
2.21.12.2	1. 1. 4	79.:	9 •6	96.3	47.4	97.9	34.5	98.	28 • C	4 ° ° °	28.5	98.7	99.0	94.0	98.C
9, 11, 10, 2	09.6	a 2+2	2	46.0	07.5	90,7	* * * 5	99.5	98.5	90.5	74.5	99.5	78.5	99.5	64.5
05 7.31 .3.2 05 (031 11.2	19.6	47.0	71.3	97.1	7F • 3	99,9	34.3	13.4	29.5	99.5	99.5	99.5	77.5	99.5	99.5
0° C. 1 klez	. 4.6	47.2	31.4	97.3	• 8 • 6	33.5	44.6	,9.7	39.8	40.4	99.8	43.9	39.8	90.8	99.8
31 149.2	4.7.6	80.2	14.5	47.5	74.6	19.4	39.7	99.A	29.9	99.9	63.4	33.3	9.9	99.9	99.9
SF 47 1 10.2	5 4 • 6	87.2	9: 3	97.3	26.7	99.5	7 7	40.3	100.0	10 1.7	173.3	127.0	103.3	100.0	100.0
16 1 10.2	13.0	a J . 2	2 3	97.3	71.7	12.5	79.5	17.7	100.0	107.7	100.0	133.3	170.0	100.0	100.0
66 7521 12.2	69.6	87.	93.5	71.5	7	99.5		99.0	170.0	137.1	103.4	122.0	100.0	100.0	100.0
15 1331 17.2	69.6	e * . 3	3	97. 1	95.7	yn, c	27.0	19.9	173.0	107.0	173.3	107.0	170.0	107.0	105.0
				-			-								
1 10 · 2	* 7.6	8.7.2	2 5	97.8	74.7	99.5	9.4. 4	13.3	170.0	107.7	100.0	100.0	100.0	100.0	100.C
	• • • • • • •	•••••	• • • • • • •	• • • • • •	•• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	•••••

TOTAL NUMBER OF QUEENVATIONS: 920

GLUBAL CLIMATOLOGY BRANCH USAFLTAC AIR WEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

				ON NAME:							HCHTH	UF FEC	HOURS	(LST):	2100-23	
FILING			• • • • • •	•••••	• • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
IN   FEE1		6 6	6 L	äf 4		5 1/ S			GE 1 1/4	GE 1	4/4	GE 5/8	GL 1/2	GE */16	GE 1/4	6E 0
e crit i		46.0	51.3	50.0	58.1	58.4	58.6	58.6	58.6	58.6	50.6	58.6	58.6	58.6	58.6	58.6
n average	4.7	د ي. 4	57.5	63.0	66.1	66.7	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
E 19700j	4.9	70.4	57.3	63.0	66.1	66.7	67.1	67.3	67.3	67.3	67.1	67.3	67.3	67.3	67.3	67.3
r turuni	4.5	53.4	57.3	03.0	66.1	u6.7	67.1	67.3	67.3	67.3	67.5	67.3	67.3	67.3	67.3	67.3
E 24 '001	4.9	53.4	57.3	63.3	66.1	67. C	67.4	67.6	67.5	67.6	67.6	67.6	67.6	57.6	67.6	67.6
r 12mapl	4.9	51.3	5 P . 4	64.5	67.6	66. £	63 " 9	67.3	69.3	69.3	69.3	69.3	69.3	49.3	69.3	69.3
100001	5.1	67.5	61.5	64.3	71.7	72.7	73.1	73.4	73.4	73.4	77.4	73.4	73.4	73.4	73.4	73.4
e proble	5.1	5.3.8	62.0	65.6	72.3	73.2	73.7	75.9	73.9	73.9	77,0	73.9	73.9	73.9	73.9	73.9
8'421		* 7.1	66 . :	73.5	77.5	70.4	78.9	79.1	79.1	79.1	79.1	77.1	79.1	79.1	79.1	79.1
1 7 011	5.6	57.2	66.2	13.8	77.7	70.6	79.1	7 2 . 3	74.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
4 6,70 l	5.6	· 1.7	66.9	74.4	79.4	74.4	79.8	a.). 0	0C.7	95.0	97.ª	80.0	80.0	40.0	87.0	# C . O
r shubi	.5.0	59.1	ья.3	76.2	87.2	F1.1	H1.€	81.8	81.4	81.6	6 ! • R	81.8	31.8	A1.8	81.8	A1.8
4507	5.7	17.5	69.2	77.0	B1.1	84.1	82.5	52.7	02.7	92.7	87.7	92.7	62.7	A2.7	62.7	82.7
C 4 731	5.9	63.6	77.7	74.7	63.3	54.3	64.7	94.7	84.9	R4.9	84.9	94.9	84.9	84.9	84.9	84.4
C 3551	۶.۶	61.7	72.	Pu . 7	45.5	F6.5	86.9	97.2	87.7	87.2	87.2	37.2	67.2	97.2	67.2	F7.2
50001	5.9	62.9	74.0	45.4	60.1	46.5	92.6	90.8	8. Ct	٠٦.٤	9.3 + 9	97.8	90.8	67.H	8.06	90.6
1 21 11	٠, ٦	5.1	74.4	F4.5	89.9	91.5	91.6	91.5	91.9	71.4	91.0	91.8	21.A	91.8	91.8	91.6
r 🤼 🕛	5, 0	63.3	75.1	84.0	97.6	9 8	92.3	92. €	42.6	42.6	97.6	92.6	92.6	92.6	92.6	96
6 16 M	5.7	63.5	75.4	R ,	91	92.3	92.9	>3.1	#3.1	93.1	97.1	93.1	93.1	75.1	95.1	93.1
0.045	۲. 9	14.4	16.5	AL . 4	9.2.4	93.9	94.6	94.9	94.9	94.9	94.9	54.9	44.9	74.9	34.9	94.9
17-11	6.6	14.5	16.0	"( • ')	92.6	94. 0	94.4	26.1	¥5.1	95.1	95.1	95.1	95.1	01.1	95.1	95.1
1 111	٠.,	1.4.a	17.6	41.6	45.7	95.1	95.7	93.5	96.5	96.5	94.5	96.5	46.5	26.5	96.5	96.5
1 3 4	π.ς	14.9	77.7	+1.5	94	95.4	41.04	76. H	76.8	96.6	94.0	96.8	95.9	96.0	96.8	96.8
1 1	5 • f	54.9	17.7	87 · 6	94.4	45.6	96.3	47.2	47.2	97.0	97.2	97.2	97.2	97.2	97.2	97.2
1 72.1	€.€	54.4	17.7	97.1	94.1	96.1	97.3	77.5	17.5	97.5	¥7.5	97.5	97.5	97.5	97.5	97.5
	٠,٠	4.4.9	77.3	16.5	45.)	°6.4	97.5	57.6	y 7 . G	97.5	47.4	97.8	97.8	97.3	97.5	97.8
	٠. ۽	, ,, 0	77.4	44.3	95.3	46.5	90.5	68.5	98.4	69.4	90.4	94.4	7R.4	28.4	98.4	98.4
( → , `\)	5.4	1.4.9	77.9	t.an	95.1	.7	30 .6	21.9	*9."	09.0	40.0	24.0	99.0	39.3	99.0	99.0
1, 14	5.4	6.4.9	77.5	40.5	95.1	97. C	48.4	2 /'	19.4	00.5	60.5	29.5	99.5	99.5	49.5	99.5
F 751	5.0	64.3	77.,	Re a 3	95.1	91.0	44.4	99.4	99.6	19.8	97.9	93.9	43.9	29.3	99.9	99.9
1 111	٠.٩	14.3	11.3	(P + 3	≠5 • 1	5 1. U	a.s	54.5	39.6	9.0	130.7	177.0	100.0	173.3	107.0	100.0
, 4	٠.٥	54.9	17.5	5.4.3	9	97. 2	, .	44.4	39.6	29.4	107.0	193.0	100.0	122.4	122.0	100.0

TOTAL NUMBER OF OFSERVATIONS: 027

GLOSAL CLIMATCLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY COSERVATIONS

STATION NUMBER: 734396 STATION NAME: MCGUIRE AFB 4J PERIOD OF RECORD: 78-87 MONTH: JUL HOURS (LST): VISIPILITY IN STATUTE HILES CFILING 1/4 0 51.5 61.2 52.0 52.2 44.7 UE 200001 51.1 So . I 59.1 60.0 60.6 63.9 61.0 61.2 61.3 61.4 61.3 61.4 61.4 61.5 65 160001 65 160001 65 160001 65 140001 65 12001 59.0 61.4 61.4 61.7 6.1 44.5 51.2 50.1 60. I 60.7 61.3 01.1 61.3 61.5 61.4 61.5 44.8 51.2 51.3 52.9 60.1 54.2 67.7 61.0 61.4 61.5 61.6 5.1 50 . 1 51.3 61.4 61.5 61.5 56.3 6C. 4 45.9 6.2 61.1 £2.1 62 . R 63.1 63.2 63.3 63.5 63.6 63.6 63.6 we worked 68.5 68.8 73.9 74.7 47.3 56.4 65.8 66.9 68.1 6.4 62.1 67.7 68.1 48.4 68.5 69.6 68.6 68.7 68.8 9/03/1 6/3/1 7/3/1 5.4 49.1 67.9 58.3 73.5 62.4 66.1 67.1 56.6 08.4 68.6 68.8 68.9 68 . 9 68.9 69.0 6.6 52.4 63.9 67.7 71.1 71.8 72.2 73.1 73.6 74.3 73.8 74.5 74.1 74.1 74.9 74.2 74.3 75.1 74.5 74.8 73.6 73.9 74.6 54.2 62.9 49.4 45331 47331 6.7 54.9 54.0 55.5 71.5 72.5 74.8 77.1 76.1 77.1 77.6 79.9 77.6 79.9 77.8 80.1 79.7 67.3 78.0 79.2 80.5 78.2 73.2 83.6 76.3 56.0 78.4 80.6 35491 30001 54.3 75.5 82.7 97.9 87.5 53.1 79.5 45.3 86.4 A6.9 97.2 87.5 25031 27001 18 01 15 38 1 79.5 89.6 64.6 71.5 84.9 96.4 87.5 86.1 09.1 98.4 88.7 88.8 88.9 89.0 98.9 61.4 62.1 7. n 7. n 90.2 90.4 72.4 49.4 93.4 93.5 90.6 43.5 86.2 d7.d 88.9 89.5 89.6 93.2 93.4 86.5 68.1 89.5 89.2 93.8 93.7 92.4 1,0 91.4 39.8 9.9 90.2 93.5 93.7 90.8 90.9 71.4 91.5 73.6 97.1 92.1 92.4 96.1 11.01 42.6 74.4 ۰3. . 89.5 91.1 92.5 73.1 *3.2 93.€ 93.3 93.9 94.1 94.2 94.2 94.3 9,71 7.0 52.6 67.7 62.7 92.8 93.3 93.9 74.6 74.7 83.4 63.4 89.5 71.4 23.5 73.6 74.5 94.2 94.3 94.5 95.1 94.5 95.1 94.6 94.7 14.5 94.0 94.8 95.2 7 . . . 43.7 94.5 74.4 75.1 95.4 9 7. 3 94.3 95.4 95.6 95.7 95.7 95.8 95.0 96.2 42.6 76.3 96.4 1 21 4231 3431 7.7 7.7 7.7 7.7 7.7 25.4 15.0 97,3 97.3 97.4 54.3 27. 2 93.1 **≠6.** 7 96.9 77.6 77.5 97.9 52.8 62.8 75.1 64 . Z 91.0 91.1 73.3 95.3 95.5 16.2 96.4 97.4 97.8 97.5 97.3 97.8 97.9 , e 96.6 98.3 99.4 98.5 75.2 111 62.9 44.3 91.2 73.5 76. 9 98.9 63.8 75.2 44.3 91.2 53.5 45.6 46.4 97.1 27.9 98.6 99.1 99.1 99.4 99.7 11 7.0 75. 62.9 31.3 79.1 99.4 100.0 914.3 74.5 25.6 90.4 97.1 91.9 99.5 28.6 99.1

TOTAL NUMBER OF DESCRIPATIONS: 7435

GLC3AL CLIMATOLOGY BRANCH USAFE7AC ATR WEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CTILING VERSUS MISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER:	724096	STATION NAME:	MCGUIRE AFB NJ

							IRE AFB					MONTH	: AUG		(LST):		יסט
CEIL			• • • • • •	• • • • • • •	• • • • • • •	•••••	•••••		RILITY				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
IN FEE	1	10	υί 6	G€ 5	∪E 4		65 2 1/2	S S	GE 1 1/2	GE 1 1/4	GE 1	5E 374	GE 5/8	GE 1/2	GE =/16	GE 1/4	ú€ D
	EIL		37.8	42.9	47.4	53.4	51.5	52.4	52.6	52.6	52,6	5?.6	52.6	52.6	52.6	52.6	52+6
bF Z	100001	2.9	42.7	49.2	55.2	54.7	60.3	61.4	61.6	t. 1 • 5	51.6	61.6	61.6	61.5	51.6	61.6	61.6
o € 1	80401	2.9	42.7	49.2	55.2	58.7	64.3	61.4	61.6	01.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
55 1	6 3 u 3 l	2.9	42.7	49.2	55 • 2	53.7	60.3	61.4	61.6	61.6	61.6	61.6	51.6	61.6	61.6	61.6	61.6
	47371	3.9	42.7	49.2	55.2	53.7	6L.3	61.4	61.5	01.6	1.1.6	61.6	61.6	61.5	51.5	61.6	61.6
6 ° 1	2531	?•€	43.3	49.7	55.6	59.1	50.8	61.8	62.0	62.7	42.0	62.0	62.0	62.3	62.0	62.0	62.0
ر ۲,	undal	2.9	47.5	54.7	61.4	65.3	67.1	68.8	69.0	07.7	59.0	62.7	69.0	69.3	64.3	69.0	69.0
6,5	9; cui	2.9	47.7	54.9	61.6	65.5	67.3	69.3	69.2	69.2	59.2	69.2	69.2	69.3	69.2	69.2	69.2
l, F	87391	2.9	5.0 - 2	59.3	65.3	69.9	71.6	77.9	74.0	74.7	74.(	74.7	74.0	74.5	74.0	74.C	74.0
G.E.	7:01	2.9	5 1.4	54.5	66.3	77.3	72.3	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
3.5	67501	2.9	5 )• 8	59.8	66 - 3	77.6	72.9	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
5 L	scant	2.9	51.1	59.1	66.7	71.0	73.2	75.5	75.8	75.8	75.8	75.9	75.5	75.8	75.8	75.8	75.8
(, F	44	- 0	51.4	59.8	67.8	72.5	74.7	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
SE	47031	3.1	53.2	61.9	70.4	75.1	77.5	79.9	87.2	67.2	AD.3	8 - 3	90.3	60.3	40.3	87.3	A G . 3
:. ~	55011	3.2	54.6	63.5	72.2	77.2	79.7	82.2	R2.5	62.5	92.6	82.6	92.6	32.6	92.6	82.6	82.6
G.F	30001	3 . 2	55.3	65.7	74 . 3	77.7	82.3	85.2	85.5	85.5	°5.6	85.4	A5.6	85.6	85·6	85.6	95.6
J.E	10001	3.2	55.5	65.8	74.6	67.3	9 مغد	85.8	86.1	86.1	86.2	96.2	86.2	36.3	P6.2	86.2	P 6 • 2
. 1	21 3 21	3.2	r 7.3	66.8	75.0	81.3	83.9	86 +8	97.1	a7.1	97.2	87.2	97.2	87.2	97.2	67.2	87.2
4, ۳	1 11	3.2	57.3	56.4	75.6	61.3	34.9	86.5	87.1	07.1	97.2	07.2	87.2	87.3	97.2	57.2	87.2
	15 5 3 1	₹.2	54.0	67.5	76.3	82.2	94.7	87.6	98.0	88.7	98.1	82.1	98.1	33.1	P8 • 1	89.1	P8.1
υF	12674	1.2	54.2	67.8	75.9	82.7	95.3	89.Z	93.5	89.6	*B.7	89.7	84.7	89.7	e H • 7	89.7	86.7
1, 5	, , , , 1	3.2	r 5.4	69.7	77.5	83.9	a 6 . 7	89.7	5J. 1	92.2	73.3	97.3	93.3	97.3	93.3	96.3	96.3
4,5	2.1	7.2	54.5	58.3	77.4	84.0	96.9	89.9	91.3	90.4	20.6	9".6	94.6	93.6	90.6	97.6	93.6
, F	2 1	7.7	53.6	68.5	73.0	84.5	37.5	91.0	01.4	91.5	91.8	91.9	41.5	91.3	91.8	91.8	91.8
. "	7211	?•?	6.4.6	64.5	79.2	34.7	44. ]	71.4	21.9	21.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4
., F	6.31	1.2	1.5.6	6 P • 7	78.5	45.3	d4.3	91.7	92.2	92.3	92.7	9~.7	72.7	92.7	92.7	92.7	92.7
,	1911	· . :	53.6	64.6	70.1	85.6	80.6	92.3	92.8	47.3	93.3	97.3	93.3	73.3	93.3	9 7.3	93.3
i, r	أرزا	3.2	25.7	69.0	79.1	86.3	69.4	92.7	94.2	94.3	74.7	94.4	94.8	94.8	94.8	94.8	94.8
, r	• J	7.7	18.4	62.0	70.0	86.5	19.9	94.4	95.4	75.6	76.3	96.6	96.6	96.7	96.7	96.7	96.7
	1.1	*	t 9	59.7	71.5	du. n	9).2	94.7	96.0	96.7	97.1	974	27.4	97.5	97.5	97.6	97.7
r. F	1.01	7.2	7 × 4 9	69.7	77.0	8 ft • H	7u. 2	94.7	95. 11	76.2	47.2	4 7 K	97.5	37.7	27.7	97.8	98.6
4,4	4	1.7	74.9	69.7	79	86.1	90.2	94.7	96.0	95.2	97.2	97.5	91.5	97.7	97.7	97.8	100.0

TOTAL SUMMED OF DISERVATIONS: 033

GEOGRE CETHATOLOGY BRANCH USAFLTAC AIR HEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCUMPENCE OF CFILING VERSUS VISIBILITY FROM HOUGLY OBSEPVATIONS

STATION NUMBER: 774796 STATION NAME: MCGUIRE AFB NJ

	it is in	OHIEM:	7 4.190	21411	ON HAME:	~ ( 50	146 278	NJ				PEPIOD MONTH:			-0 <i>6</i>  LST1: (	1100-05	cn
FILI										IN STATE							
IN		CŁ	GE.	G E	υE		r:	GΕ	65	6 L	GE	6 E	GΕ	GE	GE	GE	GE
FELT		1^	t	5			2 1/2		1 1/2			?/4	5 / B	1/2	5/16	1/4	0
••••		• • • • • •	• • • • • • • •		•••••									,	• • • • • • •		
? CE	IL I	2.4	3 5	35.1	43.0	44.7	46.5	48.6	43.1	49.2	49.6	40.7	49.8	49.9	49.9	49.9	50.0
: :.	.2501	2.4	35.1	47.2	46.7	51.4	3 و 3	56.0	50.8	55.9	57.3	57.5	57.6	57.7	57.7	57.7	58.0
	10401	7.4	35.1	43.2	46.7	51.4	53.3	56.0	56.8	56.7	57.3	57.5	57.6	57.7	57.7	57.7	58.0
	5-201		35.1	43.2	46.7	51.4	53.3	55.0	56.8	56.7	67.3	51.5	57.6	57.7	57.7	57.7	58.C
r 14	انت	2.4	35.2	40.3	4t . 8	51.5	53,4	56.1	56.4	57.0	57.4	57.6	57.7	57.9	57.8	57.8	58.1
	icens		35.2	47.4	46.4	51.8	53.3	56 • ⁶	51.2	57.3	57.7	5 P + C	58.1	58.2	58.2	59.2	56.4
e ::	20 4 7 (	2.4	38.5	44.,	51.8	58.3	65.1	63.7	64.4	54.5	64.9	65.3	65.5	65.6	55.6	65.7	65.9
	ยนขอ i		38.6	45.1	51.9	54.1	66.2	63.9	64.5	64.6	65.1	65.4	65.6	65.7	65.7	65.8	66.C
	1021		43.6	47.5	55.3	62.6	64.3	69.1	63.9	69.9	19.5	60.0	73.0	77.1	70.1	77.2	76.4
	7 011		4 7.6	47.7	55.5	62.5	64.7	60.5	67.4	69.5	69.9	77.2	73.4	70.5	70.5	79.6	70.9
	เกลฮไ		45.5	45.,	55.8	62.7	64.9	68.9	67.0	09.9	70.3	7~•5	70.9	71.0	71.0	71.1	71.3
r :	shest	2.6	41.3	48.8	50.7	63.5	65.6	69.7	7.3.9	71.0	71.4	71.7	71.9	72.0	72.3	12.2	72.4
	اندد که		41.8	49.5	54.5	65.2	67.5	71.5	72.7	72.8	73.2	77.5	73.8	75.0	73.9	74.5	74.
	40001		42.4	5 ^ 1	58.7	65.9	44.6	72.6	73.8	71.9	74.4	74.7	74.9	75.1	75.1	75.2	75.4
	35 01		43.3	51.2	69.9	67.2	70. u	74.0	79.3	75.4	75.9	76.2	76.5	76.5	76.6	76.7	76.9
	różi		44.4	53.0	6:.0	69.7	72. 9	77.2	73.6	78.7	79.	70.6	79.8	79.9	79.9	80.0	€0.
£.	25071	2.7	45.3	54.0	62.9	71.:	74.3	79.6	H ). 0	03.1	•7•€	81.	A1.2	81.3	P1.3	81.4	81.0
	ar ini		45.5	54	6;	71.6	74.7	79.4	91.1	61.2	91.7	87.5	82.3	82.4	92.4	82.5	P 2 .
	10:51		45.7	54.4	43.4	71.9	75.3	79.7	21.4	01.5	A2.0	6.7.4	92.6	82.7	P.2.7	62.8	83.1
r	:5011	2.7	46.9	55.7	64.3	73.4	76.8	61.4	P 5 . 1	03.2	93.5	94.1	94.3	84.4	24.4	84.5	яц,
	1.031	2.7	46.9	55.7	64.4	73.4	76.8	91.4	93.1	03.2	93.4	84.1	P4 . 3	84.4	.4.4	84.5	84.
ſ	: 531	2.7	46.9	50.0	15.5	74.1	77.6	02.3	84.1	34.2	94.7	85.1	55.3	85.4	#5.4	85.5	85.
1	0.01		47.0	56.2	65.9	74.5	76.1	3.7 . 2	84.6	64.7	95.3	85.6	85.8	85.9	95,9	86.0	96.
r	1 221	2.7	47.1	56.2	66.1	74.4	78.4	87.1	95.1	05.2	95.F	B ?	86.5	85.7	96.7	86.9	07.
r	7331	2.7	47.2	56.6	66.3	75.3	70.9	83.2	45.7	66."	46.8	87.7	P7.4	37.6	97.6	87.7	88.
-	€501	7	47.2	56.6	66.3	75.5	74.6	64.4	16.4	36.9	97.6	53.1	88.3	88.5	*3.5	69.6	P 6 •
r	1.79	3.7	47.4	57.2	67.3	76.7	-C. 9	85.8	69.3	يا . د ن	99.2	99.7	69.9	+7.1	93.1	97.2	۰۵.
r	4 (2)		47.5	57.6	67.7	77.1	-1. 7	97.0	99.8	09.9	21.1	91.6	91.8	92.7	22.3	97.2	92.
ē.	-511		47.5	57.0	67.7	77.2	2. 2	H7.5	93.5	÷3.6	71.9	97.3	23.1	93.3	93.3	93.5	94.1
	100		47.5	57.6	67.7	77.7	92.4	07.7	91.1	91.5	07.6	94.5	74.8	95.3	75.3	95.8	96.
;	1. :1		47.5	57.6	61.7	77.3	92.4	47.5	21.2	71.4	72.7	94.9	95.2	95.7	95.8	96.8	98.
,	. 1	1 7	47.5	57.6	67.7	77.5	F2.4	87.8	.1.2	,1.4	22.7	94.9	95.2	95.7	95.8	97.0	136.0

TOTAL NUMBER OF OSSERVITIONS: 935

GLAPAL CLIMATOLOGY ERANCH GRAFETAC AIP WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM FOUGLY OBSERVATIONS

						IRE 4FB	-				HONTH	: AUG		(LST):		
16 156	••••	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••		PILITY				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
	GŁ	Gf	GE	6E	G E	65	6 E	GF.	GE	GE	GE	GE	Gε	GE	GE	GE
TLET (			5	4	, 	2 1/2		1 1/2	1 1/4	1	7/4	5/8	1/2	E/16	1/4	3
CLIL I	2.4	27.7	33.0	36 • €	41.6	43.4	45.2	40.0	46.5	47.1	47.5	47.5	47.6	47.3	47.8	48.1
Tepage :	5.1	31.8	37.6	42.2	47.8	49.5	52.2	53.1	53.5	54.4	54.9	54.9	55.1	55.3	55.3	55.5
. 18783	3 . 2	31.9	37.7	42.5	49.0	5 to 0	52.2	53.2	53.7	54.5	55.1	55.1	55.2	55.4	55.4	55.6
ורטיטני	3.2	31.9	37.7	42.3	49.0	50. U	52.2	53.2	53.7	54.5	55.1	55.1	55.2	55.4	55.4	55.6
140931	3.2	72.0	37.5	42 • 4	48.1	5c. 1	52.3	53.3	53.A	54.6	5 . 2	55.2	55.3	55.5	55.5	55.7
i ianani	3	12.4	39.3	43.3	40.1	51.3	53.4	54.5	54.7	°5•6	54.3	56.3	56.5	56.7	56.7	56.9
100001	3.4	34.5	41.3	46.6	53.7	56.6	59.7	63.3	00.9	61,9	67.5	62.5	62.7	62.9	62.9	63.1
90011	7.4	34.9	41.7	47.2	54.1	· 7. 1	59.6	63, 9	61.4	62.4	67.7	63.J	63.2	63.4	63.4	63.7
1001	3.4	34.7	46.3	51.8	57.1	62.5	65.4	67.5	07.5	58.6	63.2	69.2	69.7	73.3	79.0	70.2
71 601	3.4	39.1	46.5	52.5	59.8	63.1	66 .C	67.6	68.2	69.2	6.59	69.9	70.3	77.6	70.6	70.9
C 0301	3.4	34.4	46.7	52.0	67.1	63.4	66.5	68.1	68.6	69.7	77.3	70.3	70.9	71.1	71.1	71.3
51004	3.5	40.2	47.7	54.1	61.4	64.7	68.1	69.6	12.1	71.4	77.7	72.0	72.5	22.8	72.8	73.0
45 11	3.7	47.9	43.7	50.5	63.5	56.5	67.7	71.6	72.3	73.5	74.2	74.2	74.5	74.9	75.1	75.4
* 4.0Ji	1.7	41.4	47.4	50.2	64.1	67.6	71.2	73.1	73.8	75.2	75.8	75.8	76.2	76.6	76.7	77.0
3531	4.0	42.5	57.5	57.4	65.3	68.8	72.4	74.4	75.1	76.5	77.1	77.1	77.5	77.8	78.0	76.3
3.001	4 - 1	43.1	51.7	58.7	66.9	74.6	74.3	75.6	77.4	78.8	72.6	79.6	87.1	93.4	60.5	86.9
25.01	4.1	43.5	52.4	59.9	69.2	71. 9	75.6	77.a	13.7	90.1	87.9	83.9	81.4	91.7	81.A	82.2
2.521	4.7	44.1	52.7	60.0	69.1	72.8	76.6	10.5	79.7	91.1	91.7	91.8	92.4	92.7	82.8	93.1
1997	4.2	44.1	52.2	62.0	67.	72.8	76.6	78.8	79.7	P1 - 1	81.9	31.8	92.4	92.7	82.8	93.1
15574	4.2	44.	53.5	61.2	67.8	73.7	77.4	79.9	9.7.9	92.2	97.7	92.9	93.4	93.6	81.9	E4.2
וֹנפרו ד	4.2	44.2	53.5	61.5	77.2	74. 1	78.0	5.1.6	01.5	A2.5	8 * . 7	P. 3 . 7	34.7	94.5	64.6	84.9
1757	4.2	44.3	5 3 . 9	62.3	71.:	75.3	79.2	A2.2	a?.7	24.6	95.7	45.7	46.3	96.7	86.8	67.1
: 9u3i	9.5	44.3	54.2	62.6	71.5	75.7	79.3	92.7	33.5	35.2	36.7	P6.3	87.7	07.3	87.4	97.7
00.01	4.2	44.3	54.2	62.7	77.2	76.6	80.9	83.8	04.5	46.2	97.5	97.5	89.2	98.5	88.6	88.9
	4.7	44.5	54.4	63.2	73.1	77.6	62.2	35.2	46.7	97.7	37.7	39.0	47.9	93.2	90.3	90.6
r suni	· · 2	44.5	54.4	63.2	73.2	77. h	97.6	35.9	36.4	48.6	85.0	99.9	93.9	71.3	91.4	91.7
الرياة	4.7	44.5	54.4	63.3	73.4	74.4	87.1	96.5	07.4	69.5	90.9	43.9	91.9	92.3	92.4	92.7
- 40al	4.7	44.5	54.7	(3.7	74.	79.0	34	37.7	38.P	71.5	9 9	25.0	74.2	94.6	94.7	95.1
וֹרני	4.2	44.6	54.7	63.1	74.2	7902	64.3	84.2	37.	71.9	9 7	93.9	45.5	76 - 1	96.3	96.8
	4.2	44.6	54.7	43.7	74.2	79.2	84 . 3	36.2	84.5	02.4	74.6	94.7	96.7	97.6	98.1	98.7
	4?	44.6	34.7	63.9	74.2	79.6	64.3	84.2 84.2	09.5	52.€	94.8	94.9	97.3	98.0	98.5	99.8
1	4.7	44.6	54.7	65.9	74	79.2	84.7	93.2	89.5	72.6	94.9	94.9	97.7	ن وه	98.5	150.0

TOTAL NUMBER OF ORSERVATIONS: 330

CLOMAL CLIMATOLOGY BRANCH USAFETAC TIR WEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

I'M WENINGH BENANCHING

							IRE 4FB					MONTH	AUG		LSTI:	0900-11	
CFIL		• • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	••••••		PILITY				• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •
11		GL	GI.	GE	G.E.	GE	GΞ	GE	GE	GE GE	GE	GE	GE	GE	GE	GE	GΕ
FEE		10	6	î,	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	C
• • • •		• • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • •
#0 C	EIL	5.1	39.6	44.4	47.1	49.8	50.3	51.3	50.3	50.3	50.3	57.3	50.3	50.3	50.3	50.3	50.3
CF 3	100001	5.4	43.3	49.5	52.9	56.6	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57,4	57.4	57.4
75 3	BF UDI	5.5	43.4	49.6	ىن. 53	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
L.E.	isheat.	5• 6	43.4	49.6	53.3	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
	147071	5.6	43.7	49.8	53.2	56.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
55	15,901	5.6	44.4	59.6	54 • 2	57.3	58.8	58.8	54.4	>8 • 8	·8.3	50.8	58.8	58.8	56.8	58.8	58.8
	recer	5.7	47.6	54.3	39.2	63.1	64.2	64.3	64.3	04.3	64.3	64.3	54.3	64 • 3	64.3	64.3	64.3
	90JD1	. 7	47.8	54.0	19.2	63.1	64.2	64.3	64.3	04.3	44.3	64.3	64.3	64.3	64.3	64.3	64.3
u f	8.1001	5.6	53.5	54.2	63.3	67.3	68.4	68.5	68.5	03.5	58.6	60.6	68.6	69.6	68.6	68.6	68.6
45	7:331	5.0	51.2	59.1	64.1	68.5	69.6	69.7	63.7	69.7	69.8	62.8	69.8	69.8	57.8	69.8	69.8
i e	60201	5.0	51.7	59.7	64.7	69.2	7C • 3	70.4	73.4	73.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
	50001	5.0	52.8	61.3	66.J	70.5	71.6	71.7	71.7	71.7	71.5	71.9	71.8	71.3	71.8	71.8	71.8
	45.21	5 - 1	53.9	67.2	67.3	71.9	73• ü	73.1	73.1	73.1	73.2	77.4	73.4	73.4	73.4	73.4	73.4
ų F	4.031	6.3	54.8	63.4	69.1	74.2	75.4	75.5	75.5	75.5	75.6	75.8	75.8	75.9	75.8	75.8	75.8
	30 001	6.6	56.0	54.6	76	76.5	76.5	78.1	73.1	78.1	79.2	73.4	78.4	78.4	78.4	78.4	78.4
1 -	37 331	5.9	59.3	69.5	75.2	81.6	a 3. 3	83.5	93.5	o 3 • 5	9.8	84.1	94.1	84.1	P4 • 1	54.1	84.1
. !	ar sal	6.9	65.5	77.6	77.6	84.3	Pt. 1	86.7	86.5	86.5	96.7	87.7	67.5	87.9	97.3	87.0	87.D
11	27031	5.9	51.7	72.7	79.6	86.5	F8.7	89.1	99.2	09.2	89.5	ao a	89.8	89.8	89.8	80.8	P 5 . 8
ti f	12	6.9	61.8	72.4	79.8	86.7	48.9	89.4	89.5	89.5	99.7	90.0	90.0	90.0	٥٥٠٦	90.0	90.3
Ę	1000	6.9	62.4	13.4	43.9	83.1	40	91.4	91.5	91.5	91.9	92.2	92.2	92.2	32.2	92.2	92.2
6.5	12.23	6.9	62.6	73.8	R1 • 7	8º• <u>1</u>	91.8	92.7	92.3	92.5	93.1	93.4	93.4	93.4	93.4	93.4	93.4
, ;	11 0 11	(.,	51.5	74.5	42.8	97.6	73.3	94.5	94.6	94.6	95.2	9 . 5	95.5	95.5	95.5	95.5	95.5
Set	15.31	6.9	63.1	74.6	F3.2	91.1	73. h	95.1	95.2	95.2	95.7	96.7	96.0	96.3	96.3	96.0	96.0
, ĉ	650	6.9	53.1	74.7	43.7	91.7	94.5	95.8	95.9	25.9	96.5	95.0	96.8	96.0	96.8	96.8	96.8
4, 0	*****1	6.9	63.1	74.7	F3.9	91.9	44.6	96 . 1	96.3	46. 5	96.5	97.0	97.2	97.2	97.2	97.2	97.2
1.1	1.01	6 • 9	63.1	74.7	44.3	92.2	95.2	96.5	97	97.7	97.7	94.1	99.1	98.1	08.1	98.1	96.1
. 1	( , 1)	4.5	67.2	74.0	H4	92.3	55.4	36 • p	77.4	97.6	98.2	94.5	78.5	98.5	≎8.5	94.5	98.5
. 1	405	4.9	63.3	74.0	84.2	92.5	15.6	97.7	93.0	15.2	99.9	90.2	39.2	99.2	00.5	99.2	99.2
, i	rus i	6.9	6.3.3	74 .4	P4 . 2	92.5	95.7	97.1	76.1	¥8.3	99.1	97.6	99.7	99.8	99.8	99.8	99.8
., '	2501	6.9	63.3	74.7	.14	4.1.5	25. 7	97.1	94.1	98.3	99.1	40.6	79.7	99.9	99.9	100.0	100.0
(, "	101	6.9	6.7+3	74.9	24.2	92.5	25.7	97.1	22.1	94.3	49.1	90.6	59.7	99.9	99.9	153.0	100.0
	~1	f. • ?	63.3	74.9	94.2	97.5	~5.7	97.1	93.1	93.7	29.1	93•€	19.1	99.9	9.9	100.0	160.0

CHISE NUMBER OF QUISERVATIONS: 930

GL-MAL CLIM/TOLOGY FRANCE CLAFETAC ATC WEATHFE SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCUMPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	-										HONTH			(LST):		
ILI"6	• • • • • •	• • • • • •	• • • • • •	• • • • • • •		•••••		HILITY				• • • • • • •	• • • • • •		• • • • • •	•••••
	0t 15	6F e.	ήξ.	1,F 4		2 1/2			5E 1 1/4	GE 1	∩L 3/4	G F 5 / 8	GE 1/2	GE 5/16	GE 1/4	GE (
) CEIL I		57.3	41.5	95.5	4 - 0	45.0	45.6	45.6	45+6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
252 324	4,	41.9	5 . (		56.3	56.3	56 . 7	56.3	56.7	r6.3	56.3	56.3	56.3	56.3	56.3	56.3
F 187 UDI	4, . 7	44.	50.5		56.5	56.5	56.5	56.5	56.5	56.5	55.5	56.5	56.5	56.5	56.5	56.5
	5.7	54.0	40.3	54.1	56.5	50.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
	5.7	44.	5		55.0	r6.8	56.9	56. H	56.9	56.8	56.0	56.8	56.8	56.6	56.8	56.0
r izruii	c. 7	45.1	52.4	57.4	59.3	50.3	54.1	54.3	59.3	58.3	58.3	58.3	58.3	58.3	54.3	58.
r t hami	4,5	4	5	1	62.4	52.9	62.9	62.9	62.9	62.9	67.9	62.9	62.9	62.9	62.9	62.
1 22-11	5.5	49.0		61.1	63.9	62.7	67.9	62.9	62.7	62.5	67.9	62.9	62.9	62.9	62.9	62.
5 3 0.1	. 1	5	5		66.6	56.6	65.6	66.6	66.6	66.6	65.6	66.6	66.6	66.6	66.6	66.
	6.3	11.1	9 4 . 6.		67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.
C	÷ • *	F 1, 4	43.	14.7	67.7	67.7	67.7	67.7	07.7	67.7	67.7	67.7	67.7	67.7	67.7	67.
55.21	4.4	٠ ; .	51.1	1.5.6	69.7	69.7	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.
1 41 . 11	6.0	64.5	65.1	9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.5	71.3	71.
5 4 3 A	7.1.	50.5	56.	73	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.
r 21.01	7.4	c ~ . y	51.4		10.5		87.1	9 1. 1	3C.1	90.1	87.1	20.1	80.1	00.1	87.1	86.
	4.3	54.9	75	92.0	69.1	99.9	90.0	7 J. 1	y 2 . 1	90.1	90.1	90.1	90 • 1	90.1	90.1	90.
r 255.11	9.5	67.2	77.6	45.2	91.9	92.6	97.7	92.6	92.4	92.8	97.R	92.8	92.8	92.8	92.8	92.
1.57		55.4	17.	37.5	94.4	95.3	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.
	9 . 5	80.4	79.7	67.3	94.4	45.3	45.4	75.5	¥5.5	95.6	40.7	95.7	95.7	95.7	95.7	95.
4 15 101	3 . 5	0 9	79.,	3	75.4	46.2	95.3	75.5	96.5	96.6	96.9	76 . 8	96.8	96.9	96.9	96.
10001	4.5	19.2	03.6	34.0	95.1	77.2	97.3	77.4	97.4	37.5	97.7	97.7	97.7	97.8	97.8	97.
	8.5	60.4	47.4	6,00	96.6	77+3	90.:	04.3	98.3	78.4	99.6	38.6	98.6	28.7	98.7	98.
9.11	ء پ	57.4	31	5102	46.3	78.1	98.3	99.5	96.5	98.6	90.0	9 A . 8	98.9	98.9	99.9	98.
11.	٥.5	33.0	- 11 -	0,00	27.3	98.3	98.5	44.7	99.7	98.8	5 • ت 6	99.0	99.3	23.7	99.1	99.
" 1	· · 5	0 2.6	8	99,5	97.	9n.3	99.5	24.4	98. R	78.5	97.1	79.1	99.1	99.2	99.2	99.
1.01	8.5	69.7	31.2	59.8	97.3	56.6	93.5	77.1	99.1	99.2	62.5	99.5	99.5	33.6	99.6	99.
. 5. 71	9.5	5 4.1	31.2		97.4	98.7	97.1	17.5	99.5	49.F	90.8	99.8	99.9	99.9	99.9	99
1 4 , 3 [	7.5	57.7	31.2	,,,,	97.4	, 3. 7	99.1	99.5	99.5	29.5	90.8	99.8	99.8	99.9	99.9	99
1 2.01	A . 5	59.7	81.2		97.4	48.7	97.1	99.5	99.5	79.7	33.3	99.9	99.9	170.0	100.0	100.
F 1.51	2 . f	69.7	31.2	21.9	97.4	16.7	99.1	99.5	49.5	29.7	90.0	99.9	99.9	120.0	100.0	100.
1301	3.5	57.7	31.2	11.7	91.4	16. 7	30.1	44.5	30.5	79.7	97.9	39.9	99.9	170.0	100.0	100

TOTAL NUMBER OF ORSERVATIONS: 930

BEOBAL CLIMATCLOGY BRANCH BOAFETAC A IN ACATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 774396 STATION WAME: MCGUIRE AFB NU

PERIOD OF RECOPD: 77-86 MONTH: AUG FOURS (LST): 1509-1700 CTILING VISICILITY IN STATUTE MILES 46.1 46.1 ind CEIL | C. Q 17.8 41.9 43.7 45.7 46.1 46.1 46.1 46.1 46.1 46.1 46.1 46.1 46.1 57.7 59.7 59.7 59.7 59.7 59.7 57.7 7.2 47.7 53.7 56.3 59.5 59.7 59.7 59.7 59.7 65 ld Juli 7.2 15 locust 7.2 16 l4001 7.2 59.7 59.7 59.7 59.7 53.9 59.7 59.7 59.7 50.7 59.7 47.7 59.9 59.7 59.7 50 . J 47.7 57.9 58.9 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 60.0 59.7 50.0 44.3 54.5 50.3 57.2 €6.0 60.0 63.0 0.03 60.6 60.0 63.3 60.C 61.5 61.5 52.5 66.2 66.2 or 100501 66.2 # 9030| 06 8130| 07 7100| 65 6035| 7.4 52.6 55.3 60.0 53.1 65.6 66.3 70.9 66.3 66.3 73.9 66.3 66.3 70.9 66.3 77.9 66.3 73.9 66.3 7J.9 62.7 66.3 66.3 66.3 70.9 66.7 70.9 64.1 72.3 73.2 72.3 73.2 72 • 3 73 • 2 72.3 73.2 72.3 73.2 72.3 73.2 72.3 72.3 56.7 64.7 75.2 75.2 51 001 я.3 58.2 66.5 70.9 74.2 75.1 75.2 75.2 75.2 75.2 75.2 75.2 75.2 75.2 ٦Ē 95021 45031 76.8 76.8 83.2 76.8 90.2 76.8 80.2 76.8 80.2 8.4 58.9 67.5 72.4 75.7 76.7 76.8 76.8 76.A 76.9 76.8 65 65 79.3 83.2 60.2 64.5 80.2 80.2 51.1 74 . 4 D. JA 80.2 89.2 84.5 84.5 91.0 90.4 91.0 91.0 91.0 60.8 77.4 23.8 90.9 91.7 91.0 93.4 93.5 93.4 93.5 25 221 7.1 57.7 78.9 35.6 91.3 92.6 93.1 93.2 93.2 93.3 9 3 . 4 93.4 0 E 6 E 6 E 94.6 94.7 95.1 93.3 93.4 93.8 95.7 95.8 19.51 19.51 15.61 68.4 68.4 68.5 83.1 83.2 81.3 87.3 87.4 27.7 95.3 95.3 95.6 95.7 95.6 95.6 7.1 95.3 95.3 75.4 95.6 95.7 2.1 95.4 95.5 95.7 95.8 95.4 95.7 3.1 96.3 96.5 96.7 96.6 76.1 96.6 1201 H (1 ∙ 6 97.0 97.2 97.3 99.2 98.2 7.1 6.3.7 33.8 39.6 94.6 96.3 97.4 97.6 97.5 27.8 98.1 98.1 98.1 98.1 98.4 93.5 7 : 11 ti f 9 · 1 9 · 1 63.7 80.7 80.9 94.8 94.9 96.6 97.6 97.7 97.8 98.0 98.3 98.4 ad • 7 97.8 98.1 98.1 98.3 98.3 99.0 98.2 98.4 99.4 18.4 98.4 96.5 **БВ.**В 98.0 7.1 98.3 99.7 99.1 64.7 91.1 89.1 \$5.2 96.9 98.7 98.5 99.7 98.7 98.7 99.8 98.8 95.4 77.1 9F.6 81.2 99.0 93.6 97.6 99.6 99.6 99.6 99.7 99.7 5521 9.1 68.8 81.5 69.2 95.6 97.3 98.5 99.0 99.3 99.4 4 7 3 1 3 4 4 1 3 3 6 1 9.1 9-1 97.3 99.2 99.2 99.2 99.2 99.2 49.2 99.8 99.8 99.9 99.9 81.J 81.3 37.2 95.6 99.6 90.9 97.B 99.9 64.8 98.5 99.9 95.6 95.6 99.6 99.8 99.9 99.5 40.R 68.8 7.1 94.6 99.8 99.9 99.9 63.8 91.3 89.2 17.3 19.7 79.€ 99.8 99.8 99.8 99.8 100.0 100.0 71 7.1 99.8 109.0 100.0 99.9 (, F 5 2 . 8 81.3 89.2 95.6 77.3 99.5 99.2 99.2 20.6 99.8 99.5

LOTAL NUMBER OF ORSERVATIONS:

BLOFAL CLIMATCLOGY BRANCH DISAFLIAC AIR WLATHER SERVICEZMAC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

			774796	2111	OR HAME:							MONTH	: AUG		(LST):		00
	LING	••••	• • • • • •		• • • • • • •	• • • • • • •	•••••			IN STATE			• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	•••••
1		GE	GE	GE	6 r	G Ł	61	GL	65	GŁ	GE.	رير	6 (	GŁ	GE	GΕ	GE
FE	ET [	ŢΩ	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/4	5/8	1/2	5/16	1/4	ú
•••		• • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • •, • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • •	• • • • • • • •
N ^	CETL 1	5. 5	47.9	45.6	40.6	51.5	°2.0	52.2	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	\$2.5
ti E	EUTO 11	6.8	49.6	56.7	60.4	63.5	64.4	64.7	64.9	04.9	55.1	6 . 1	65.1	65.1	65.1	65.1	65.1
i, F	100001	6.8	49.6	56.7	63.5	£3.7	64.5	64.8	65.1	65.1	55.2	65.9	65.2	65.2	65.2	65.2	65.2
6.	167071	6 · a	49.6	56.7	65.5	63.7	64.5	64.9	65.1	65.1	65.2	65.2	65.2	65.2	15.2	65.2	65.2
ι, Γ	147 331	6.8	49.9	57.1	6:03	64.1	64.9	65.3	65.5	65.5	45.€	55.6	65.6	65.6	65.6	u5.6	65.6
', E	150001	6 • 8	51.J	54.6	62.5	65.6	€6.5	66.5	67.0	67.7	57.1	67.1	67.1	67.1	67.1	67.1	67.1
υĒ	100001	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	13.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1
6.5	97651	7.3	55.1	63.5	60.2	71.7	72. €	72.9	73.1	11.1	73.2	77.2	73.2	73.2	73.2	73.2	73.2
55	100.3	7.3	57.7	66.9	71.9	75.5	76.9	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
۵E	77501	7.3	58.7	57.8	72.7	76.3	78. C	79.5	78.7	75.7	78.6	79.2	79.8	79.8	78.8	78.8	78.8
9.0	enus I	7.3	59.4	68.5	73.7	77.5	7≈ 6	79.5	77.7	77.7	79.R	70.9	77.B	77.8	79.8	79.8	79.8
4.0	5.601	7.5	67.9	70.0	75.3	79.4	F & . 6	81.3	61.5	01.5	P1.6	81.6	81.6	81.6	91.6	81.6	81.6
ti £	45331	7.5	51.6	71.5	76.6	61.2	n2.5	63.2	P 3 . 4	03.4	93.7	8 7 . 7	83.7	83.7	93.7	83.7	B 3 • 7
6 F	4"601	7.6	63.7	73.2	74.3	64.3	85.3	86 . 5	85.2	85.2	25.5	84.5	86.5	86.5	96.5	86.5	86.5
€. €	75.10	7.€	54.8	74.5	87.0	86	97.3	8 P . 1	48.3	88.3	98.5	80.5	P8.5	88.5	P8.5	89.5	P8.5
υE	31001	7.6	66.3	77.1	63.2	89.4	92.6	91.6	92.2	92.2	05.2	92.5	92.5	92.6	92.6	92.6	92.6
٠,٠	15604	7.6	67.0	i7.8	84.2	93.3	91.7	93.1	93.9	+3.0	94.2	94.2	94.2	94.3	94.3	94.3	94.3
6.8	21 001	7.6	67.3	78.2	64.5	40.5	42.2	93.7	74.4	74.4	94.7	94.7	94.7	94.8	94.8	94.8	94.8
1, "	19 201	7.€	67.3	79.5	84.5	47.8	42.3	93.9	24.5	94.5	94.6	94.8	94.8	94.9	94.3	94.9	94.9
ĻΓ	15 JOT	7.6	67.3	70.2	84.7	91.3	92.7	94.2	95.1	95.1	95.4	95.5	75.5	95.9	95.8	95.8	95.9
1, 5	12001	7.€	67.3	78.3	64.7	91.2	0.3.0	94.5	3.7 . 2	75.5	3.5℃	34.3	95.9	96.7	96.2	96.2	96+3
o F	15071	7.6	67.5	78.0	65.3	41.5	23.7	95.3	76.3	96.7	26.7	94.8	76.8	97.1	97.1	97.1	97.2
L.F	3 - 11	7.6	67.5	78.5	85.3	41.6	93.8	95.4	96.5	96.5	96.9	47.7	97.U	97.3	97.3	97.4	97.5
G.F	3 6 3 1	7.6	€7.8	78.5	65.6	43.2	24.4	96.2	97.1	97.1	97.5	97.6	47.6	98.0	98.0	98.1	98.2
, -	7631	7.6	€ 4 . 6	70.0	15.7	92.4	94. B	96 .5	97.0	+7.6	78 ⋅ 1	98.2	98.2	98.5	98.5	98.6	98.7
C.5.	(51	7 + €	68.1	79.1	£ 7 * 44	92.5	94.9	96.6	97. 5	98.3	3 H • H	94.5	98.5	99.9	98.8	98.9	99.0
J.T.	51.01	7.6	65.2	79.2	F5.9	92.7	95.2	96.9	93.3	98.4	39.80	90.9	98.9	99.2	27.2	99.4	99.5
LF	40.1	7.6	68.2	79.2	AL.9	92.5	95.3	77.7	98.5	#8 • 6	79 G	90.1	99.1	99.5	99.5	99.6	99.7
	7 001	7.6	65.2	79.2	85.4	92.0	95.3	97.	99.6	75.7	99.1	99.2	99.2	99.6	77.6	99.7	99.8
, #	26.24	7.6	50.2	79.0	85.9	42.8	25.3	97.1	98. A	36.9	79.4	90.5	90.5	99.8	99.8	99.9	100.0
υĒ	1.21	7,6	66.2	72.2	45.9	92.4	95.3	97.1	93.8	70.9	29.4	99.5	99.5	99.8	99.8	99.9	100.0
:, r	"1	7.6	66.2	79.2	F5.7	52.8	95.3	97.i	63.4	99.4	29.4	97.5	99.5	99.8	99.8	99.9	100.0

FOTAL NUMBER OF ORSERVATIONS: 036

GLOWAL CLIMATOLOGY PRANCH USAFETAC AIR WEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF GCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY COSEPVATIONS

STATION NUMBER: 704096 STATION NAME: MCGUIFF AFB NJ

PEPIOD OF RECORD: 77-86 MONTH: AUG HOURS(LST): 2100-2300

												MONTH			(LST):		
	L IIIo	••••	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •			IN STATE	JTF MILI	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••
1	n j	GΕ	GE	GE	G.F	GE	6.	GE	GE	GE	GE	G.E.	GE	GE	GΕ	GΕ	GΕ
ΓŁ		:0	6	ĉ	4		2 1/2		1 1/2	1 1/4	1	3/4	5/8	1/2	r/16	1/4	٥
• • •	• • • • • • •	••••	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	•• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	•••••
ь о	CEIL	4.7	43.2	49.5	53.2	55.2	55.9	55.9	55.9	55.0	ده. ۵	56.2	56.2	56.2	56.2	36.2	56.2
					33.1	5	330	3.4.			•••	30.02		,,,,,		30.2	3011
υE	200001	4.9	49.4	57.4	67.5	64.5	66.2	66.3	66.3	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7
i, E	100001	4.0	49.4	57.4	62.6	64.9	66.2	65 . ?	66.3	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7
(r	16-001	4 . C	49.4	57.4	6 5	64.9	1.6 • 2	66.3	66.5	06.3	16.5	66.7	66.7	66.7	66.7	66.7	66.7
	141001	4 . C	49.6	57.6	62.6	65.2	66.5	66.6	66.6	6.60	66.7	66.9	66.9	66.9	56.9	66.9	66.9
υſ	127001	4.0	50.4	58.5	63.0	66.1	67.4	67.	£7.5	67.5	67.6	67.R	67.8	67.A	67.8	67.8	67.8
, ,	100001	5.2	54.7	63.3	64.2	72.3	73.7	73.5	73.8	13.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1
ùЕ	90001	5.2	54.9	6.7.5	69.5	72.5	73.9	74.0	74.0	74.2	74 . 1	74.3	74.3	74.3	74.3	74.3	74.3
ÜΕ	6:00	5.2	56.7	66.1	73.6	76.7	76.	70.4	78.4	75.4	78.5	75.7	78.7	79.7	78.7	78.7	78.7
C F	701	5.2	57.2	66.7	73.5	17.3	78.7	79.7	79.0	79.7	79.1	77.4	79.4	79.4	79.4	79.4	79.4
(1	enuol	5.2	57.5	67.0	74.0	77.5	79.2	72.7	79.7	19.7	79.8	60.0	40.0	87.7	PO . 0	80.0	8 U • U
		3		0			17.00					<b>0</b> . • /		0		J	
ų F	E1 56 [	5.2	c 4	68.3	75.2	70.1	Hi). 5	61.1	81.1	61.1	31.2	8:.4	81.4	61.4	P1.4	£1.4	R1.4
υE	45 0 11	5.2	c 9 • 1	69.4	76.2	80.2	51.6	82.3	P.2. 3	82.3	P 2 . 4	8 7 . 6	A2.6	82.6	A2.6	82.6	A2.6
( '	40201	5.2	61.3	71.2	79	H 3 . 4	F4.9	95.€	85.6	45.6	25.7	8 ° . 7	65.9	85.7	9.50	85.9	P5.9
5 E	35	5.2	€2.0	72.4	80.8	85.3	P6. H	87.4	97.4	37.4	97.5	97.7	97.7	37.7	87 <b>.7</b>	87.7	87.7
νĘ	30,001	5.2	62.7	73.3	e: .3	07.5	39.0	89.68	87.4	a9.8	99,9	97.1	30.7	90.1	90 • 1	97.1	90.1
ιr	.5331	5.2	62.9	73.7	51.05	e?.9	69.4	97.5	73.6	97.6	97.8	91.7	91.3	91.7	91.3	91.0	91.0
(5	20021	5.2	€3.1	73.9	82.6	24.2	89.7	91.0	71.1	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4
	15.01	5.2	63.1	73.9	85.9	88.2	69.7	91.0	91.1	91.1	71.2	91.4	01.4	91.4	01.4	91.4	91.4
``r	15071	5.2	63.1	74.3	83.0	89.5	90.3	91.5	91.0	91.6	21.7	91.9	91.9	91.9	91.9	91.9	91.9
, 1	12001	5.7	63.2	74.1	83.2	89.7	90.3	91.4	91.9	71.7	92.0	92.3	92.3	92.3	22.3	92.3	92.3
		,				.,	· · · · ·							72		,,,,,	
o E	11631	5.2	63.5	74.7	84 . J	89.5	91.1	92.7	92.8	92.8	92.9	93.1	93.1	73.1	93.1	93.1	93.1
i, r	9.771	5.2	53.5	75.1	44.5	99.1	91.6	93.4	93.5	93.5	93.7	93,0	93.9	93.9	93.7	93.9	93.9
'· t.	8.531	5.2	F4.2	75.5	84.9	90.0	22.6	94.3	34.4	54.4	24.8	95.1	75.1	95.1	95.1	95.1	95.1
., 1	7.001	5.2	64.3	75 . č	81, 5	9:.4	93.3	95.1	95.2	95.2	95.€	95.8	95.8	45.9	95 • A	95.8	95.8
k, \$	4571	5.2	€4.4	75.9	45.4	91.5	95.4	95.5	75.6	15.6	3.0€	96.2	96.2	96.2	٥٠٠3	96.3	96.3
G.F.	4.51	5.2	64.5	16.	89.9	92.3	74.3	96.5	90.7	₹6.7	97.1	97.3	97.3	97.3	97.4	97.4	97.4
0.E	4.	5.2	64.7	76.5	66.1	72.0	94.7	97.3	77.7	97.7	98.2	90.4	98.4	98.4	98.6	94.6	98.6
5.5	7801	5.2	64.7	76.5	80	97.6	24.7	97.4	79.1	76.1	28.5	94.7	98.7	99.7	78.9	99.9	98.9
61	2301	5.2	64.7	76.5	huei	92.7	94.7	97.R	23.6	98.6	29.0	99.4	37.4	99.5	99.7	99.8	99.8
1.5	1.131	5.2	64.7	76.5	96.1	97.7	94.9	97.8	93.6	79.5	99.[	90.4	77.4	99.5	79.7	99.9	99.9
	•	· •	.,	, ,, • ,		, . • 1		,,,,			. ,		.,,,	,			
r.	5.1	5.2	64.7	76.5	56 • 1	92.7	94.9	<b>∌7.</b> 4	93.6	13.6	29.0	97.4	99.4	99.5	99.7	99.9	100.0

TOTAL NUMBER OF ORSERVATIONS: 930

CECHAL CLIMATOLOGY BRANCH L'SAFLTAC FIR WEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OUSLANDING

STATION NU											момтн	: ≱UG		ILSTI:	ALL	
CF1C146	• • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •			• • • • • • • •
IN I FEET I	50 17	6) E	6 F 5	<b>4</b>		2 1/2	G £	(, r	56	GF 1	96 174	0 f	GE 1/2	GE 5/16	GE 1/4	GE O
un cete 1	4.3	35.9	41.8	43.2	49.1	46.9	47.5	47.5	49.3	FQ.2	57.1	50.1	50.1	50.1	57.1	56.2
100765 30 100761 76 100761 76 100761 30	4.0 4.0 4.0	42.9 43.0 43.0 43.1 43.1	47.4 49.4 47.4 47.6	54.7 53.4 53.4 51.J 55.J	57.3 57.3 57.3 57.6	58.5 58.5 58.5 56.7 59.8	57.3 59.7 59.5 62.6	59.5 57.6 59.5 53.8 53.9	59.7 59.7 59.7 59.7	59.8 59.8 59.8 59.8 60.1 61.1	57.9 67.7 67.7 61.2	69.9 69.9 69.9 69.2 61.3	59.9 60.0 60.0 60.2 61.3	60.0 60.0 61.0 60.2	69.0 69.0 69.2 51.3	6U.U 60.1 60.1 60.3
65 10100  65 9000  65 8001  65 7000  65 6000	5.0 5.0 5.1 5.1	47.4 47.5 53.1 53.6 53.9	54.9 55.0 58.2 58.7 57.2	51.1 63.1 63.4 54.6	64.J 64.2 68.4 67.2	65.4 65.6 69.9 71.8 71.3	66.4 66.6 71.1 71.9 72.6	66.7 45.9 71.5 72.3 73.0	56.° 57.7 71.6 72.4 73.1	57.4 67.2 71.8 72.6 73.3	67.7 67.7 71.9 77.4	67.2 67.4 72.3 72.8 73.5	67.2 67.4 72.0 72.7 73.5	57.3 67.4 72.1 72.7 75.6	67.3 67.4 72.1 72.9	67.3 67.5 72.1 73.0 73.1
51 50001 (5 4001 (6 4001 (6 4001 (6 35))	5.3 5.4 3.5 5.7 5.7	52.0 62.8 54.3 50.8 68.0	50.3 61.3 63.3 94.3 67.7	66.4 67.7 57.3 71.9 79.2	71.1 72.0 75.3 77.5 91.6	72. 1 74. 2 76. 8 79. 4 93. 6	74.7 75.6 78.3 87.8 95.3	74.4 75.1 78.7 81.5 35.7	74.5 76.2 75.3 31.4	74.8 76.4 79.1 71.7 85.3	74.4 75.6 77.1 81.7 86.5	74.9 76.6 79.3 81.9 86.6	75.7 75.7 79.4 92.7 86.7	75.J 76.7 79.4 72.3 86.7	75.1 76.8 77.4 92.1 86.7	75.1 76.8 79.5 82.1 86.8
55 25031 55 2 124 56 18321 (1 15521 55 12321	5.9 5.0 5.9 5.0	54.8 54.5 59.5 59.9 67.0	68.9 57.7 69.7 77.3 73.6	76.6 77.0 77.7 74.4 74.5	83.1 34.4 84.5 85.3	95.2 66.5 66.6 37.5 88.0	37.1 33.4 83.5 37.5 93.1	67.6 87.1 87.2 97.2	37.7 89.2 49.3 40.3	99.1 99.5 99.6 90.7 91.4	88.3 89.8 89.9 91.0 91.6	49.3 99.8 49.9 91.0 91.7	44.4 99.7 97.7 91.1 91.4	98.5 99.9 90.3 91.2 91.3	68.5 93.7 97.1 91.2 91.9	86.6 90.1 90.1 91.3 91.9
0F 1003  (* 0.01) (* 0.01) (* 703  (* 703)	5.9 5.9 5.9 5.9	6 J+ 2 6 7+ 3 6 3+ 4 6 7+ 5 6 3+ 6	79.9 71.1 71.3 71.4 71.5	79.4 70.6 77.9 83.1 83.5	86.5 86.8 97.3 87.6	99. J 89. 3 99. 9 90. 3 90. 6	91.1 91.5 92.2 92.7 93.1	72. ) 92. 4 93. 6 94. 1	92.1 92.5 93.2 93.8 94.3	72.6 73.0 73.7 74.4 74.9	97.9 97.2 94.1 94.7 95.3	92.9 93.3 94.1 94.7 95.3	93.1 93.5 94.2 94.9 95.5	73.1 73.5 74.5 75.3 95.6	93.1 91.6 94.3 95.0 95.6	93.2 93.7 94.4 95.1 95.7
0f 5001 0f 4031 0c 7001 0b 2001 0f 3:01	5.9 5.9 5.9 5.9	6 1.6 6 3.7 6 3.7 6 3.7 6 3.7	71.7 71.9 71.9 71.9 71.9	4).6 91.7 93.4 40.8 40.8	88.2 89.5 84.6 83.7 89.7	91.1 71.5 91.6 91.7 91.7	93.6 94.7 94.4 94.6 74.6	94.8 95.6 95.0 96.2	95.3 45.8 96.2 96.4 96.5	75.6 96.5 97.0 97.4 97.4	96.0 97.0 97.6 97.6 98.1 98.2	76.J 97.D 97.6 78.1 79.2	96.2 97.2 97.9 98.5 98.7	76.3 97.3 98.0 98.1 98.8	96.3 97.4 98.1 98.9 99.1	96.4 97.4 98.2 99.1 99.6
er i	5.9	60.7	71.7	63.4	88.7	91.7	94.6	96.2	96.5	27,4	98.2	98.2	99.7	98.8	99.1	190.0

FORAL NUMBER OF OFSERVATIONS: 7440

CLOPAL CLIMATOLOGY BRANCH USALETAE ATP WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY DUSTRANTIONS

2 441	ICK NU	MHEP:	7. 409.6	2111	UAL STAME	: MC 211	INI AFA	NJ					OF PEC				
													: SEP		(LST): I		
CH	15.6	••••	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	•••••		FILITY				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••
11.		61	r.e	(-F	ų į	G.E.	L.º	61	(F	L.F	68	LE.	3 €	6 Ł	GE	SE	G.E
FEE		10			4		. 1/ .			1 1/4	1	3/4	576	1/2	116	1/4	υ. ο
									•••••								
P. 1 C	itt I	7.	47.5	53.4	55.6	57.1	57 · b	58.6	54.8	58.9	59.1	50.1	59.1	59.1	54.1	59.1	59.1
CF 2	cocar	7.1	49.6	56.9	59.3	61.2	61.9	62.4	63.5	63.1	63.4	61.4	63.4	63.4	63.4	65.4	63.4
ur 🖫	a "LCT	7.1	49.6	56.9	59.3	11.2	61.7	62.0	63.0	65.1	67.4	67.4	6.3.4	63.4	63.4	63.4	63.4
C 1	64.1	7.:	47.6	56.9	54.5	61.2	61.9	62 · n	63.5	u 3 • 1	63.4	61.4	63.4	65.4	65.4	63.4	63.4
	4 CTL	7 . :	49.6	5(.9	4.5	6: . 2	61.4	62.4	63.C	63.1	63.4	67.4	63.4	63.4	43.4	6 4.4	63.4
J 1	27031	7.1	f 10 • 3	57.0	f b	67.4	63. 1	64.5	64.2	<b>.4.3</b>	64.7	64.7	64.7	64.7	64.7	64.7	64.7
S 7 1	COULT	7.1	52.9	61.1	14.5	1.6.6	£7.2	6".1	64.3	68.4	66.6	6	65.6	68.A	66.6	68.F	60.6
	4111	7.1		61.0	64.3	66.6	67.2	6F . 1	₽# · 3	UH.4	68.8	60.0	68.8	64.4	(A.8	68.8	68.8
t. E	8 271	7.1	15.7	64.4	61.1	70.4	71. i	72.0	72.2	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
υŧ	71 (3.1)	*• 1	56.3	64.	66.4	711.6	71.4	12.3	72.6	72.7	73.0	77.0	73.0	73.0	73.0	73.0	73. 3
C.F	67661	7.1	6.1	64.4	6h • 6	71.0	71. c	72.4	12.1	12.8	77.1	77.1	73.1	73.1	73.1	73.1	73.1
i F	52.74	7.1	57.3	66.1	64.6	72.1	72.9	72.5	74.0	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4
	45	7.1	19.2	LP.7	7 1	74.4	75.0	76 - 1	76.3	76.4	76 . F	76.4	76 A	76 . P	76.8	76.8	76.8
Ç	41 01 1	7.1	6 3	69.2	77.0	74.4	76.3	77.0	77.4	77.5	77.9	77.7	77.9	77.9	77.9	17.9	77.9
i. F	20 , 14	7.1		70.2	74.0	17.0	77.9	78.8	79.2	17.3	74.7	79.7	77.7	19.7	79.7	79.7	79.7
1.1	7 101	7.1	63.3	7 2?	71.4	€7.8	E1. 7	62.6	P 3 • (*	83.1	83.4	n 4	R 3 . 4	63.4	43.4	63.4	63.4
	3000	1	44.4	75.5	71 H	01.6	63.9	84 . P	Q 5 . 2	85.3	A5.7	p.C. 7	65.7	65.7	P5.7	85.7	A5.7
i, r	insci.	1	16.5	76.7	A1.4	85.4	ae. 4	87.4	57.9	88.0	ng.3	A0.7	HH . 5	88.3	P6.3	89.3	48.3
1 1	100 11	7.1	(6.1	76.4	6: • 7	85.4	86.7	87.7	A8.1	69.2	88.6	80.6	88.6	84.6	48.6	89.6	88.6
ι, έ	11001	7.1	60.7	77.7	r I	66.6	87. B	88.1	44.2	49.5	R4.7	80.7	89.7	99.7	A7.7	69.7	89.7
(, 1	17071	'. 1	66.5	77.4	F	87.1	8 P. 4	59.4	87.9	90.°	20.3	97.1	90.3	90.3	97.3	90.3	90.3
( F	10.01	7.1	67.5	18.3	+ 1.6	67.5	89.3	90.3	20.8	93.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2
( £	60.1	7.1	1. 2.2	14.6	P 8	BP . 1	89.6	90.	91.0	91.1	71.4	91.4	91.4	91.4	91.4	91.4	91.4
v. f	8 J D I	7.1	67.2	78.1	84.3	64.8	90.	91.3	11.9	92.0	92.3	92.3	93	92.3	02.3	92.3	92.3
t F	7.01	7.1	6706	78.7	84.5	H9.0	90.4	91.6	92.2	92.3	92.9	93.0	93.0	93.0	93.0	93.0	93.0
٠.	€ Jol	7.1	67.3	15.6	f.4 . 5	89.8	91.2	92.4	93.3	93.4	94.0	94.7	94.2	94.2	74.2	94.2	94.2
	6.34	7.1	67.3	75.1	F5 - 1	95.4	42. I	91.3	04.2	94.3	74.9	95.1	45.1	95.1	25.1	95.1	95.1
45	4231	7.1	57.3	70.	64.6	97.9	92.1	94.2	75.2	95.4	96.1	96. 3	96.5	96.3	26.3	96.3	96.3
, i	3.01	7.1	67.3	79.1	65.6	97.0	72.7	94.9	96.1	y6 • 3	27.2	¥ 7 . 7	97.7	97.9	97.9	97.9	97.9
. •	- Jol	7.1	67.3	79.0	do et	21.0	93. J	95.2	96.3	96.7	98 · C	9 R . P	98.8	99.2	99.2	99.6	99.6
Ü.E	1301	7.1	€ 3.3	79.0	85.0	91.5	93. 5	95.2	96.3	96.7	98.0	9 A . 9	98.9	99.3	99.5	99.7	99.8
	3.1	7.1	67.3	79.	6 t b	91.1	93.0	95.0	96.5	26.1	98.0	94.9	98.9	99.3	99.3	00.3	100.0

TOTAL NUMBER OF ORSERVATIONS: 950

CLORAL CLIMATCLOGY HRANCH USAFETAC

### PENCETIANT FR. WHITEY OF OCCURPTICE OF CITEING VERSES VISIBILITY FROM HOURLY OBSEPVATIONS

ATH MEATHER SERVICE/MAC

STATION NUMBER: 729096 STATION WARE: MCGUIRE AFB NU PER100 OF RECORD: 77-86 MONTH: SEP HOURS(LST): 0300-0500 VISIBILITY IN STATUTE MILES 6E GE GE GE GE 7E 2 1 1/2 1 1/4 1 7/4 GF GE UE GE 1/2 5/16 1/4 GE 0 578 40 CEIL | 6.7 42.0 * 5. 7 67.4 57.6 E.A . C 49. 57.7 r.e. 7 59.8 6.0 6.0 57.7 57.7 57.7 49.0 14.0 of 10300∤ of 103001 61.3 61.4 61.7 61.9 61.9 62.0 62.0 45.6 56. 7 59.8 67. A 67.9 62.1 4 5.6 40.0 *,4 . u 54. 1 uJ.º 6 j. 8 62.1 . F 14 601 4 3.6 49.1 54.0 Se. 7 59.9 6 J . 6 60.9 61.3 . . . . 61.7 62.0 62.1 94.2 58. . 60.1 6:.2 61.3 61.6 61.7 67.1 62.3 62.4 62.6 1.7031 97821 67031 77071 .,.1 64.7 64.8 65. 6.0 46.1 4.1.7 61.6 65.2 65.9 61.4 62.4 65.6 65.6 65.6 66.0 46.1 52.1 £ . 3 65.6 68.9 64.4 65.8 6.0 51.7 61.4 62.4 64.7 64 . B 65.2 65.1 61.9 66.0 64.3 46.3 54.H 55.3 65.2 6.1 ذ...غ 65. 7 66 . 8 67.9 68.0 68.6 64.7 69.1 69.2 69.1 69.7 68.4 6.80 61.9 16. 69.9 6.2 6.2 6.2 5.3 71.2 40001 f 0.9 57.5 62.0 67.3 69.4 73.6 70.7 71.7 71.6 71.A 71.9 72.3 45.31 4 COL 35.001 73.1 73.9 55.9 49.9 65 . H 71.1 72.6 74.7 77.2 74.1 75.6 77.0 73.1 73. 3 73.4 74.9 74.3 75.8 74.6 76.0 74.6 74.7 74.0 7:.6 63.3 73.7 74.8 75.4 76.0 76.1 76.2 75 .P 11.6 17.1 76 · 3 64.3 77.E 78.1 76.3 70.4 2532.1 77. 4 80.2 F1.1 P1.4 81.7 F1.7 81.8 A1.9 67.1 67.1 78.7 79.0 F0.2 F0.7 82.1 12.01 17.01 6.7 S1.7 77.8 74.0 74. 1 ef.a 67.0 82.3 #2.9 #3.2 87.7 87.7 #3.6 87.4 83.8 P3.4 83.6 83.7 P ( .. Li 84.0 82.4 82.9 F 4. 7 P5.8 96.U . . . - 4.7 94.2 18.3 75.4 **₹1.1** 22.2 93.1 A 3 . A 65.3 96.2 HF . 3 Ft.6 66. A A .... 86.9 87.0 P7.1 RA.3 P9.7 6.7 5 C . G 84.7 85.7 86.9 67.7 68.9 P1.7  $p_{i+1}$ P 6. 1 66.2 67.1 61.3 62.6 63.9 6 P . C 76 . £ 83. 4 85. 1 67.2 FF. b F P . 4 6 P . 7 69.0 89.1 68.7 80.0 ٠٠.1 90.3 99.3 96.6 29.00 99.2 40.7 20.9 111 ٠,,, 69.. 68.2 27.9 90.C 91.2 91.4 91.6 91.6 91.9 92.0 4 3 1 6 7 2 3 1 6 2 89.6 60.6 97.2 97.7 #1.3 (... 69.3 11.3 20.6 16.0 +7.7 +7.8 91.2 91.3 91.9 92.3 97.6 92.E 93.8 93.1 93.1 93.3 ( F 93.2 60.3 94.8 resi 6.3 71 . 1 92.E 92.7 95.0 97.0 97.3 98.2 1 6. 4 40.4 AF. C .2.5 95.0 45.8 97.9 66.4 - 6.0 96.2 66.1 0 h. i.

6 4 a CJ

Ff . :

90.7

96.2

98.2 100.0

TOTAL SUMBER OF GREENVATIONS: 0.0

1 1.7 11.6 69.4 71.

CENEAL CLIMATOLOGY FRANCH USAFITAC AIN WEATHER SERVICEZMAC

# PERCINIAGE FREQUENCY OF OCCURRENCE OF CELLING VERSUS VISIBILITY FROM HOUSEY COSEPVALIONS

STATION NUMPER: 724	CS6 51#T1	ON FAME	: PC Go	1+1 116	นุง					OF FEC	VRU: 77-	-86 (LSTI: (	0600-08	Co.
CF 14.1% 6	• • • • • • • • •	•••••	• • • • • • •	•••••			18 57476			• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••
	<b>i</b> 61	6.F	GE	Ų:	6.6	(,,	61	,,, ,,,r	· (1	GE.	GE	GE	G <b>E</b>	GE.
	`. ```.	4		1/.		1 1/.	- •	. i	1/4	5/8	1/2	1/10	1/4	G. C
	-							-	-					
						• • •								
THE CLIE I GAR TH	.2 37.7	44.0	44.6	45.4	4 7 4.7	44.7	40.6	10.6	50.5	ي , ز ،	51.	c1.3	51.6	51.7
- 95 arright 7+1 - 37		44.43	49.7	5 to 9	52.4	. 4. 1	54,8	56 g n	51.9	56.9	57.3	• 7 . 5	57.6	5 e . G
		4.6	40.6	51. L	4.7 + 9 5.2 + 9	54. *	54.7	6.1	5 7 . 0	c7,u	57.4 57.4	67.4	57.9 57.9	58.1 58.1
- 15 16/3/1 7:1 - 17 - 17 14/3/1 7:1 - 17		45.4	44.5	51.1	52.9	54.6 54.6	54.4 54.4	66.1	51.0 51.0	57.0 57.0	57.4	77.4	57.9	6.1
15 41 cul 7-1 76		45.4	56.1	51.3	53.2	15.1	55.2	16.4	4 - ,	57.3	57.8	7.6	50.2	58.4
1	• • • • • • • • • • • • • • • • • • • •	• . • .	30.02		3	,	3	V. • •	• •			• •	3	10.7
1 0 0 1 1 1 0 0 1 Tag 41	. 44.3	44	12.0	54. 6	56.4	58.3	50.4	59.7	67.6	63.6	61.7	61.3	(1.6	61.8
	. 3 44.4	40.06	52.9	54.7	56.6	1 11 4	5 6	* 4 . 6	60.7	+0.7	61.1	11.1	61.7	+1.4
'+ 0 mil 7.2 42	.3 46.6	*:	56.1	56.7	60.7	62.6	62.7	F4.0	64.7	14.9	65.4	65.4	66.0	66
01 75 CT 7.2 45	.1 47.6	52	47.3	54.4	61."	43. 4	63.9	65.3	66.7	66.2	66.0	46.8	67.3	£7.6
- 5.1 € . 11 7.2 4.5	.7 48.3	د ۲	57.5	€ J. 4	62.4	64.3	64.4	4, F3 🙀 🗘	56.5	16.8	e7.3	47.3	67.9	66.1
- (+ 5 2°1 7•2 45		10.9	F. J. C	62.6	64.5	66. h	P(-3	FR.3	64.5	69.2	60 H	F4.9	17.3	70.6
F 45511 7+2 47		56.4	61.6	64.1	64.4	60.3	64.4	40.0	77.5	70.9	71.4	71.4	12.0	72.2
- 65 67474 <b>747</b> - <b>9</b> 6		51 • 1	U.S 5	e 6	6 R . e	73.7	73.H	72.2	73.0	73.2	75.0	75.8	74.3	14.6
- et 11 all 7.2 49		14.1	0 5 - 3	66.3	10.9	72.6	12.0	74.4	75.4	75.4	76.7	76.3	76.6	76.8
CF 7 CM 7+2 F	•н 56-	fi	67.1	16.1	72.7	74.6	14.7	76.4	77.4	17.4	74.7	*8.J	74.6	76.8
f 25001 7.0 51	.7 57.2	t	64.5	71.9	74.6	76.6	76.7	78.7	75.7	79.7	93.2	40.2	87.8	61.U
	.3 56.1	63.6	69.9	79	75.7	77.4	79.3	40.C	81.1	81.1	41.7	P1.7	82.2	P2.4
	.7 58.7	11.9	77.4	72.4	76	74.4	74.6	A0 • 6	81.7	61.7	82.2	42.2	62.8	# 3 . G
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		65.41	71.7	74.7	77.6	70.1	79.9	01.4	87.1	A 5 . 0	# 5 · t	F 3 . U	84.1	F4.3
. (C 1) 1.2 14	.4 67.7	t t	77.6	75.7	10.6	l. h	63.9	02.9	84.1	£4.1	64.9	A4.9	65.4	#5.7
·	.9 67.4	id ot	71.3	76.7	80.3	8 J. 4	n2.6	P4 . 7	86.0	41.0	46.0	P (	87.3	£ 7.6
	.4 60.4	1.6	73.7	77. 4	ø~•6	23.1	03.2	95.3	86.7	46.7	87.4	97.4	6 R . D	68.5
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		67.4	74.9	71.4	82.0	44.7	84.8	07.1	n P . 4	94.4	69.3	94.3	09.9	90.1
- 65 - 740k 744 - 55		Ge . i	16.2	P.C. 2	6	P.6 - 4	86.5	49.0	97.3	23.3	91.7	21.2	9],A	9.2.0
1 f f 1 (4) 7+2 (5)	.3 62.	11.6	76.5	96.9	H4 .4	27. č	n 7 . 3	99.8	91.1	71.1	92.0	45.7	92.6	98
1. 144	.4 62.1	60.5	17.1	41.6	35.6	4.4غ	04.6	21.3	92.7	92.7	91.6	93.6	94.1	94.3
4 4 7.7		6 V	78.0	52.3	86.2	A 4 . 3	09.6	97.7	94.1	94.0	94.9	94.9	95.4	95.6
1.00		19.	78.	24.3	86.4	37.	97.2	0.3	3.5	45.2	96 • 2	96.2	96.9	97.3
	.4 67.1	69.40	7	2.3	86.A	00.2	90.6	93.4	95.7	95.7	96.8	96.8	97.6	98.3
0.0 1001 7.2 55		69.	78.	82.3	P. F. R	21.2	90.6	98.9	95.7	45.7	97.2	97.2	98.1	99.5
							-							
of 1 1.7 25	62.4	(4.44	13.0	P2.3	4.08	9 % 2	+3.6	93.5	95.7	95.7	97.2	97.2	98.1	100.0

TOTAL GUMBER OF DESCRIPTIONS: 9.0

EL AL CETMATCEDGY BRANCH C'AFETAC C'EL WEATHER SERVECEMAL

### PRINCENTAGE FR WOLNEY OF OCCURRENCE OF CFILING VERSUS VISIALEITY FROM HONDLY COSERVATIONS

TETLOS NUMBER:										MORTE	56.0		16511:	0900-11	
'H 156	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •			IN STAFE			• • • • • •	• • • • • •	• • • • • •	• • • • • • •	•••••
True I for	u! L	6.1	•	61 ,	2 11.		1 1/.		6 F	5-1 47-4	61 576	G( 172	1/16 1/16	GE 174	uf D
cah i •		4.5.	40.4	4	4 - 4	49.5	49.7	4	14.4.E	40.7	49.2	43.7	44.2	42.7	49.2
Park Like See	45.3	58.00	, • (	50.0		s, e . •	Co. 1	,6.		4,00	56.7	56.7	c t 7	56.7	56.7
	41.4	0.3	4	· · · · ·	St. et	4, 6,		,, , ,	56.0	60.0	16.6	50.4		56.8	56.8
5 10 11 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4		10.1	5.	56.05	54	C &	96.44	64.4	4, 4	55.5	5.0	10.7	56.B	K 6 . B
14 1 3.6	44	5.1.4	4.1		٠,٠	6	. 7.	52.3	7.		42.5	57.2	17.2	57.2	57.5
1 4x 31 44	41,.4	51.4	14.5	50.0	61.1	5.	5.7.4	, 7 , 9	57.5	5.1.9	57.9	67.3	17.7	57.9	57.9
6 4 4 1 3.5	4		. , , 4	1	64	67.7	1.1.7	5	60.7	o · , ,	61.7	61.7	13.7	υ <b>γ.</b> 7	16.7
0.00	4	5 4	11.6	59.4	re. • b	60.0	6 J. +	63.1	47.9	6 7 . 7	47.8	67.7	4.1.4	62.9	63.9
<ul> <li>5 (2) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</li></ul>			t , .t.	15.2	44.3	66.	50.0	65.4	40.0	n+	66.6	65.4	66.5	66.A	66.6
<ul> <li>170.01 125.00</li> </ul>	• •		,	66.3	1.4	6.	17.4	67.9	67.6	61 * 4 7	47.4	, 7.0	41.4	67.9	6.7.4
1.17.	5.3.6		604 • J	61.7	47.c	6	01.1	64.7	•••	( · · '	(1.2	64.2	F 11 + L	64.5	68.2
F 10 104 4242	٠4.6	5 1.0			65.0	4. 7 . 4	t. r. 4	, 4 , 4	64.4	64.4		5.3.4	15.4	6 2 . 4	(4.4
4 . 1 12.4	1	51.0		42		17.1	1	10.5	7.1.6	70.6	1000	77.6	13.0	77.6	73.6
9 11 200	1 4.1	64.0	69.4	1	7:	17.7	7 4. 7	13.7	73.7	11	73.7	73.7	73.7	71.7	73.7
11 1 10.9	1 1.9	5.1	*. • •	75 . 3	7t. • 4	16 .4	70.49	76.0	76.5	76.3	76.4	16.7	741 . 1	16.9	7€. • ¥
1000 1 1749	1	11.7	***	19.5	٠ د	41.	41.5	91.	•1.3	11.7	+1.3	"1 • "	• 1 • 5	-1.	-1.1
0 10 11 1 49	1 a. a	1:			13.4	n ' . ~	15.	. t. "	43.	41.3	41.0	41.1	31.3	+ t, o	1.
7 11 17.4	1.2	1	70.03	6 . e	· * • •	44.4	44.4	74.4	-4.4	37.4		44.9	44.4	h 4 . 4	A 4 . 4
0 11 1 1 . • 9	t 1 . H	1.		, S	-4.5	HE	( · .	<b>"</b> • `	41 . :	5' . 1	45.0	35.	4 T 3	e 5 + 7	# 5 e x
1 . 1 10.0	t '. 1	14.7	* . • .	5.5	** * *	4 * • •	47. ·	a7.#	97.4	H 7. 1	47.5	P 7 . 3	A 7 . #	67.A	67.6
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* ** 1	15.0	÷, • •	- · · ·	1 - 4	43.4		n + . +	49.6	83.6	A	49.6	49.6	60.6	49.6
1 1 1 1 1 1 1 1		11.6			"1	92.4			12.7	w. 1	92.7	42.1	92.1	42.1	91
.71 4 .9		1	• •	, ·	11.4		11.1	#3.2	7!		53.2	45.2	21.7	¥5.2	93.2
1 1 1 9	1.1.6	7 4 . *	1	10.1	72.0	* * * *	75.4	91.9	45.5	• • • •	43.4	* 5 . 7	03.4	, , , ,	43.4
	* 1. 1	74.4	" n . 1.		1.7 m	41.4	75.7	82.5	28.4		45.4	.4.7	34.9	90	95.9
1 1 . 2	• • •	14.0	* ** • *	* C * 1	74.4	46.46	1 7	*( * )	17.1	97.1	.7.1	47.1	27.1	٠'·1	97.1
11 11.5	* 1.1		~ /	• • • •	**.3		98.1	**. 1	24.1	,	***	74.4	94.6	y R . R	90.6
6 4. 11 11.5		19.	V • 1			. 4	11.4	99.	34.4	47.h	49.6	97.6	34.6	99.6	94.6
Sec. 2011 1 .9	1	11.1	* 2 • 1	7 * + 6	.5.6	12.5	11.	+9.1	77.6	,,,,		47.3	99.9	99.9	99.4
5 1 4 4 6 6 7	1 1	7.4.	· · ·	17.5	• . • t	, ° , '	11. •	** . 1		<b>∀∀</b> , =	.9.4	34.3	34.2	, 9 . 9	44.9
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* 7.1	,,,	-7-1	11.5	15.6	** • 1	14. 4	≠9 • 1	30.1	***	44.8	14.3	39.9	1.3.3	106.0
1 11.3	7.74.1	19.		٠٠. د						,9.4				100.0	

SENDAR CEIMATOLOGY BRANCH.

STATISH NUMBER: 774196 STATION NAME: MESUTRE AFB NU

#### PERCENTAGE FRIQUENCY OF OCCUPACIONS OF CRIEING VEHSUS VISIBILITY FROM FOURLY GOSLAVATIONS

Pt "100 OF KECORU: 17-86

91.5

94.0

79.0

100.0

160.0

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**. 170.1 100.0 100.0 100.0 100.0 100.0

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9 . . 1

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A DE - A ATHER SERVICIONAL

MONTH: SEP FOURS (UST): 1200-1400 VISIPILITY IN STATUTE MILES

57 57 56 66

2 1 174 1 174 1 CILING THE TOTAL 55. 5 7/4 5/8 1/2 1/16 ັນ . 2.1971 19.1 4 1. 7 5 . 4 ٠,,, 57. 51.0 6.7.0 57.0 57.0 57.3 57.0 56.8 57. -57.0 57.0 57.0 1 10 21 10.1 5 10 21 10.1 1 14 21 17.1 92.4 57.1 57.0 57.0 57.7 57.7 57.7 57.0 57.0 57.3 41.7 • , . 1 57. 57.1 57.1 57.1 57.5 56.4 57.0 47.0 51.1 59 • 8 57 • 1 57.0 67.0 17.3 57.3 57.3 47.3 .. 17 171 17.4 : 4.5 .4. 57.3 42.4 01.2 61.7 61.7 66.6 47.8 1 7,11 17.4 56.5 57.5 61. 61.2 61.2 61.2 61.2 51.2 61.2 61.2 61.2 7 23 13.4 7 2 2 13.7 7 2 1 13.7 52.6 55.2 56.6 50.7 91.4 62.2 61.i 61.3 61.3 61.3 65.5 67.6 61.3 65.6 67.8 61.3 51.3 61.3 50.6 61.5 43.4 ... 67.6 67.4 51.5 07.4 57.A f 7 . d 67.8 54. 6 8 . U 44.3 € H . j 177 1 17.6 51.1 64.2 97.2 73.5 74.3 64.2 49.2 4 7 11.2 11 11.8 2 2 1 2 2 6 7. 0 2 . 7 74 . 1 79 . 75. u 74. 3 76. 4 1.7 54.3 70.1 17.7 73.6 77.7 73.3 70.0 7.3.3 77.3 70.0 74.3 74.3 71.4 5.0 74.4 74.4 74.4 79.4 4 E. . 4 85.7 35. A 5 . . 45.9 45.3 45.7 F5. 4 12.9 14.4 14.4 . I 17.0 31. ... 97.7 -1.0 HR.4 49.4 69.4 **49.4** 44.4 95.4 F 5 . 4 ... 55.4 -1... 93.3 97.5 97.7 94.7 35.3 97.7 94.1 11.7 21.1 ..., 92.3 · 1. 3 37.5 93.3 90.3 +1.7 23.7 24.1 91.7 93.7 97.7 90.1 44.7 .4.1 94.1 94.1 94.1 24.1 44.1 74.. 1 17 1 17.7 97.5 77.6 78.6 78.6 ...1 . . . 4 ...1 . . . . +1.2 42.0 27.2 37.2 47.2 71.2 97.2 97.2

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^{, , , ,} TO TAIL THREET OF BUILDING TO STATE

STOUTE CLIMATOLOGY BRANCH ATH MEATHER SERVICEZMAC

# PERCENTAGE ENEQUENCY OF OCCUPABILITY FROM HOURLY HOSERVATIONS

STATION NUMBER: 724096 STATION WASE: MODUTEE AFR NU

PERIOD OF PECURO: 77-85 HOURS(LST): 1533-1700 HONTH: SEP CETLING | aL EILI'U VISIFILITY IN STATUT MILES 61 61 3 • 1/2 GE CF GF G 5 4 THE T 5E 65 6E 2 1 1/2 1 1/4 6E 1 5 L ( F БE . 3 3/4 5/8 1/2 1/16 1/4 __ 0 AUCULA 2.3 47.9 47.7 47.5 57.4 50.6 42.6 53.6 50.6 57.6 0: 0:000 11:0 07 16:00 11:0 0F 16:00 11:0 0: 14:00 11:1 - 1.3 60.1 60.1 60.2 67.1 67.1 67.1 54.; 56.2 50 • d 50 • 0 59.9 £ ... 61.3 60. : 60.0 60.0 60.3 60.0 67.0 60. u 1.4 0.00 65.1 65.1 65.3 6...1 57.1 50.1 6J.1 6J.1 63.1 67.1 63.1 60.1 60.1 60.1 £1.4 56.2 60.2 600 A 56.49 61.1 60.1 67.3 60.1 44.1 64.3 60.3 67.3 60.3 of to Cal 11.1 6.J. R 60.8 63.8 61.8 63.B 50.8 60.8 45.6 65. 7 10.2 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65.6 12.4 77.7 65.8 12.4 73.7 65.P 77.4 77.7 65.8 72.4 73.7 7 9 331 11.2 11 m 231 11.8 56.C 51.7 64 + 6 7i + 7 12.5 65.8 65. F 65.6 72.4 65.8 65.8 72.4 73.7 65.8 72.4 73.7 65.8 77171 11.9 67451 11.9 64.5 7. • 1 7. • 1 73. 1 73.7 73.7 68.9 7:.0 13.7 73.7 75.7 73.7 73.7 75.7 5 1001 12.1 45 11 12.1 41 001 12.3 21 011 17.2 11 63.6 64.1 67.2 73.2 73.6 13.9 77.2 74.0 74.8 75.3 78.9 74.8 75.3 78.9 74.6 7500 74.7 74.0 74.4 74. 8 74 . 6 74.4 74 . 8 14.8 75.2 75.1 /5.3 78.3 75.5 79.9 52.4 89.7 75.3 78.9 75.3 75.3 78.9 42.4 12.8 75.3 75.3 73.9 74.4 78.9 64.6 ٠. . ٠, 6.00 92.4 02.4 +2.4 A2.4 0.104 82.4 8 . . 4 81.3 11 01 17.5 27 01 14.5 11.01 14.5 11.01 14.5 17.01 14.5 97.6 97.9 97.4 95.2 71 . E 67.4 85.3 16.5 ٠,٠, 90.1 90.1 90.7 93.7 93.7 91.7 97.7 90.1 97.1 97.6 92.1 92.7 92.3 93.7 91.6 93.6 93.0 93.0 93.6 93.6 93.6 93.0 93.6 93.5 93. C 65.9 67.3 77.6 F2 . . 4 +3.0 74.6 54.4 94. 7 ... 5 15.1 95.3 95.3 75.5 45.1 25.5 95.3 46.3 96.5 46.5 16.5 96.3 76.3 96.3 96.3 96.3 17.001 14.2 9 74 14.7 9 24 14.6 7.01 14.7 74.6 75.3 75.3 67.9 400 +5.4 36.4 25.4 40.4 76.4 76.4 96.4 96.4 96.7 1. 5 50. 95.4 96.1 90. 4 +0.9 +7.2 26.9 91.3 76.9 97.3 96.9 90.9 96.9 96.9 99.6 74.3 66.7 96.6 57.1 98.6 40.6 4 14.5 'nº. 71.4 ... 11.4 77.4 40.0 64.1 99.1 99.0 49.7 97.] 99.0 94.0 7 . . 4 F 7 . . C4 . 4 97.1 9A .4 51.1 4 1 . 3 ... 39.4 19.4 99.4 49.4 99.4 99.4 99.4 9 7 14.0 11 14.0 69.7 69.7 47.3 7 ... 4 59.6 54.7 30.4 30.0 40.3 48.1 55.7 99.7 29.6 29.9 77.4 99.8 99.8 97.8 99.8 90.0 ... 99.7 99.9 99.9 79.4 60. 77.4 16-1 14-1 44.1 94.0 · 6 . 1 77. 4 90. 6 29.5 44.9 100.0 120.0 100-0 100.0 123.3 .. 1 4 % ... 99.5 100.0 100.0 100.0 1 :4.0 GE. 74.4 £7.7 66.7 47.4 44.5 1100 99.8 99.9 99.9 133.7 103.0 100.0 100.0

TOTAL RUMPER OF OUSERVALLOUS:

CLICAL CLIMATOLOGY PRANCH ATH MEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 724295 STATION NAME: MCGUIRE AFR NU

PEPIND OF RECOPD: 77-86 MONTH: SEP HOURS(LST): 1800-2000 VISIPILITY IN STATUTE MILES CFILING IN 1 CE FEET 1 15 GE GE GE GE 4 3 2 1/2 GE GF 5 GE GE GE 2 1 1/2 1 1/4 G F GE 1 5/16 1/4 1/2 1/4 5/8 SO CEIL 1 P.S 48.1 57.7 56.9 56.7 56.9 56.9 56.5 56.9 56.9 56.9 56.9 67.2 67.2 60.3 ( E Jurion 9.8 £ 3.9 64.1 40 18000 | 9.8 40 18700 | 9.8 40 18700 | 9.8 40 18700 | 10.0 53.9 54.0 64.1 64.3 64.3 64.1 64.3 64.1 64.1 64.1 64.1 63.2 64.1 64.1 64.1 64.3 63.4 64.3 64.3 64.3 64.6 54.1 €3.7 64.6 64 .€ 64.0 64.6 64.6 64.6 55.1 6 . 7 61.6 64.6 65.7 65.7 65.7 65.7 65.7 65.7 65.7 65.7 45.7 65.7 65.7 EF 150001 10.7 EF 96001 10.7 59.8 €6.6 75.1 71.3 71.6 71.0 71.5 71.0 71.0 71.3 74.2 71.7 71.7 71.0 71.0 71.0 71.0 71.C 9703 10.7 P 001 10.9 7.551 10.9 71.3 60.1 60.6 7u.4 71.3 71.3 71.3 71.3 71.3 74.2 71.3 71.3 71.3 62.4 73.3 74.2 74.2 74.2 74.2 74.7 74.2 62.9 70.2 75.0 75 · G 75.7 75.0 74.1 75.5 75.0 75.J 75.3 F3.2 74 . 4 75.3 75.3 75.3 5000| 10.9 4°03| 12.9 4°03| 11.2 3°03| 11.3 uf gr 64.1 71.6 75.4 76.3 76.3 16.4 76.4 76.4 76 . 4 76.4 76.4 76.4 65.0 67.7 77.4 77.3 78.3 78.3 78.4 78.4 79.4 78.4 74.4 78.4 76.4 78.4 91.9 78.4 81.9 78.4 81.9 76.4 80.7 61.7 F1.7 81.9 51.9 R1.9 81.7 91.9 81.9 69.3 H4.0 1.5 78.4 62.8 64.6 84 . 2 94.8 64.8 94.6 84.8 44 . R 84.8 P4 . 8 84.8 ... 71.9 61.7 37.1 89.0 89.0 200 1 11.3 08.4 99.0 89.0 E6.3 88.6 99.3 82.0 25 67 | 11.4 2 7 | 11.4 16 1 | 11.4 62.4 F7.6 ÷9.9 90.3 20.3 99.3 90.3 30.3 90.3 90.3 96.3 74. 92.2 92.4 97.6 84.6 78.7 FF.6 92.1 92.2 92.2 92.4 92.2 91.1 51.3 92.2 92.2 92.2 92.2 92.4 51 41.4 92.4 92.4 92.4 91.2 92.2 93.3 93.3 93.6 84.3 1. ( 1'01 | 11.4 84 . 4 F9.6 92.2 92.4 74. 0 94.7 94.1 94.3 94.2 94.2 94.2 94.2 94.2 10301 11.4 9.31 11.4 9.31 11.4 65.2 85.3 24.7 94.8 74.3 £4.4 42.7 93.2 64.3 04.4 90.4 94.8 94.4 94.8 94.8 94.8 95.3 95.2 95.3 95.2 74.3 43.43 43.43 50.45 93.1 53.7 53.8 94.8 94.9 95.2 95.2 95.3 95.2 54.9 95.1 44.9 93.2 95.5 1, 5 95.0 95.2 7. 1 11.4 14.6 95.9 96.0 96.3 96.5 65.7 94.0 74.6 96.0 96.2 94. 1 95.3 96.3 96.3 74.6 85.7 85.8 91.3 91.3 91.3 94.6 95.7 95.3 95.3 95.9 95.9 98.0 99.0 99.1 PM 11.4 97.3 97.7 98.2 98.2 98.2 9 7 11.4 99.2 98.1 98.2 94.6 99.3 99.3 99.3 43.6 99.3 3571 11.4 74.7 8 4 . 5 74.3 90.4 39.6 99.6 99.6 99.6 1001 11.4 95. 4P . 7 99.1 14.7 65.6 01.3 75.9 99. G Q . U 97.7 99.7 79.7 99.9 102.0 100.00 g.c. . 95. 74.7 91.3 99.1 45.5 99.7 99.4 99.1 99.7 99.9 99.9 100.0 100.0 11 11.4 91.3 95.3 98.3 49.9 49.7 49.7 99.9 100.0 100.0 49. 1 99.9 99.4

I MAL HUMBER OF OWSERVATIONS:

CLOUDL CLIMATOLOGY BRANCH USAFLTAC ATR WEATHER SERVICEMMAC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

5 14 1	ION NO	MUER:	724896	STATI	BHAN AC	: MCGU	IRE AFB	NJ				PEPIOD		0PU: 77	-86 (LST1:	2100-21	00
CFIL	17.6							V 15 1	BILITY	IN STATE	UTF MIL	٤ <					
I #	i	CE	6F	GF.	GE	G£.	65	GE	GF	GΕ	GE	G E	GF	33	6E	GE	GE
FLF	1 1	10	£	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	c
• • • •	• • • • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •
NO C	EIL I	7.3	48.9	54.3	50.8	58.0	58.2	58 • €	5 4 . 9	59.9	59.1	50.1	59.1	57.2	59+2	59.2	59.2
ue 3	andal	8.0	54.3	51.3	64.3	65.6	65.3	66.3	56.4	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8
of: 1	10008	a.:	54.6	51.6	64.7	65.9	66.1	6f .7	£6.8	66.7	67.0	67.7	67.0	67.1	67.1	67.1	67.1
6 E 1	16000	á.C	54.6	61.6	64 . 7	65.7	66.1	66.7	66.8	05.9	67.5	67.1	67.3	67.1	67.1	67.1	67.1
J. 1	47001	9.3	54.6	51.0	64.7	65.9	66.1	66.7	66. 5	06.7	57.6	67.0	67.0	67.1	67.1	67.1	67.1
6 E 1	2:001	٩. ^	55.1	62.1	65.2	66.4	66.7	57.2	67.3	67.4	67.6	67.6	67.6	67.7	67.7	67.7	67.7
. 5 2	10000	9.0	59.1	67.3	73.4	71.9	72.1	72.7	72.8	72.9	73.0	73.3	73.0	73.1	73.1	73.1	73.1
	97001	F. D	59.1	57.3	70.4	71.9	72.1	72.7	72.8	12.3	73.0	77.7	73.0	73.1	73.1	73.1	73.1
	6:001	0.9	61.0	69.4	73.G	74.6	74.6	75.3	75.4	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8
	7~03]	9.1	6 4	70.3	73.6	75.1	75.3	75.9	76.7	16.1	76.2	76.2	76.2	76.3	76.3	76.3	76.3
	62021	8.1	62.1	7:1.7	74 . 2	75.8	76.5	76.6	76.7	76.4	76.9	76.7	76.9	77.0	77.3	17.0	11.5
., e	shoot	9.3	63.7	12.2	75.8	77.3	77.7	78.2	74.3	72.4	78.6	70.6	78.6	79.7	75.7	79.7	76.7
	41031	8.3	64.9	77.9	77.4	77.1	79.4	87.1	83.2	80.3	97.4	87.4	93.4	87.6	9J.6	83.6	8u.6
	41 231	8.7	56.0	15.2	79.7	87.9	F1.3	82.0	42.1	82.2	P 2 . 3	87.3	52.3	82.4	92.4	82.4	82.4
	31 021	3.7	67.2	76.7	60.4	62.4	93.0	83.7	83. 5	83.9	94.0	84.0	84.7	84.1	94.1	94.1	94.1
J.	30601	8.7	68.7	78.7	82 • d	45.2	85.9	86.7	85.6	06.7	97.0	87.0	87.5	97.1	97.1	67.1	A 7 . 1
. 1	25361	8.7	40.9	79.9	84.0	86.8	87.6	88.3	43.4	36.6	Pe.7	8 . 7	68.7	44.4	96.8	88.6	£8.8
	2 201	8 . 7	7 2.6	97.B	84.9	89.0	86.8	82.6	97.7	87.A	P9.9	60.0	9.9	27.2	90.0	40.0	95.0
j.	1- 1	9.7	70.6	30.8	64.3	89.3	29.0	87.4	97.9	90.7	90 • 1	97.1	20.1	93.3	≎3.2	90.2	90.2
F	15001	۾ ۾	71.1	61.4	45.7	67.2	42.2	91.7	91.2	71.3	71.6	91.5	91.6	31.7	21.7	91.7	91.7
úπ	isani	F . F	71.4	B1.9	30.2	89.5	94.9	91.7	21.9	92.1	32.2	9.7	92.2	,2.3	92.3	92.3	93
L1	10001	p.c	71.8	87.3	86.9	97.7	91.6	97.6	93. C	y 3 • 1	93.3	97.3	93.3	93.4	93.4	97.4	c 3.4
٦٠	3.35	9.F	71.8	82.3	97.4	97.8	71.9	92.7	43.1	22.2	93.4	97.4	93.4	93.6	23.6	93.6	93.6
Ū.F	4021	9.8	71.8	87.5	87.5	91.2	92.3	73.1	73.7	93.4	24.6	94.9	94.0	94.1	94.1	44.1	94.1
1 ب	7031	8.8	71.8	82.6	97.4	91.6	92.7	93.4	94.1	94.2	94.4	94.4	94.4	14.6	94.6	94.6	94.6
1, 5	65.4	5 . F	72.0	82.0	37.5	91.9	93.1	01.0	94.5	94.9	75 . 1	95.1	25.1	95.1	95.3	45.3	95.3
u t	5 31	4.0	72.1	82.9	87.9	42.3	93.7	94.7	96.3	+6.4	97.	37.1	37.1	97.3	27.3	97.3	97.3
, r	4 : 2 (	4.9	72.1	53.3	88.5	92.6	94.0	95.1	26.4	97.0	37.6	97.7	97.7	71.9	97.9	97.9	97.9
úΕ	1001	9. 9	72.3	03.3	93.6	93.4	94.7	96.	77.3	2 h . 1	98.6	98.7	96.7	99.0	99.0	99.1	99.1
	7311	3.0	72.3	83.3	85.0	93.2	94.7	96.2	73.3	98.6	99.1	97.4	97.4	19.3	97.8	99.9	79.9
٠	1.77	9.8	72.3	83.3	88.6	43.2	74.7	96.2	99.3	9r.6	99,1	90.4	29.4	97.8	99.8	99.9	100.0
93	.1	8 . F	72.3	83.3	44.6	93.2	94.7	95.2	98.3	98.5	29.1	99.4	09.4	99.4	79.3	99.9	100.0

TOTAL WIMPER OF OBSERVATIONS: 243

U.O. 41 CELMATOLOGY PRANCH OGAFITAC AIR WEATHER SERVICE/MAC

### PERFENTAGE FREQUENCY OF OCCUPPENCE OF CFILING VEHSUS VISIBILITY FROM HOURLY OUSERVATIONS

STATICH NUMBER: 774796 STATION NAME: MODURE AFR NU

5 1.	of I Cia ii	marfis:	774396	STATE	ON NAME:	46 60	IKE AFB	47						ORU: 77			
												HONTH			(LST):	ALL	
	LING	• • • • • •	• • • • • • • •	•••••	• • • • • • • •					IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •
· i		CE	űŧ	51.	G.f.	5E	65	3E	35	GÉ.	GE GE	G E	Gŗ	GE	GΕ	GE	GE
		1.5	.,, 6	75	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	174	0.0
											-		-				
														• • • • • • •	• • • • • • •		•••••
2. )	CLIL	7,5	42.9	47.7	5).5	52.3	52.8	53.3	53.6	53.7	53.9	54.1	54.1	54.2	54.2	54.2	54.2
1/	200001	8.5	43.1	53.5	55 • 8	53.8	59.3	57.9	53.3	63.4	60.7	63.R	63.8	60.9	60.9	61.D	61.0
A 1.	121 301	2.6	48.1	53.5	55.7	58.9	59.4	67.3	63.4	63.5	60.7	67.9	63.9	61.0	61.0	61.1	61.1
• •	150201	4.5	43.1	53.6	55.9	58.4	54.5	60.0	67.4	03.5	40.6	67.0	67.9	61.0	61.0	61.1	61.1
1, 5	147 001	3.6	43.5	53.7	57 . 3	57.1	59.0	60.2	61.6	60.7	63.9	61.7	61.1	61.2	61.2	01.2	61.3
_ r	121331	۰.7	44.9	54.4	51.3	57.8	60.3	67.9	61.3	61.4	61.7	61.9	61.8	61.9	61.9	65.0	65.0
	10000		51.6	57.8	61.4	63.7	64.3	64.9	65.3	05.3	65.6	65.7	65 • 8	05.9	65.4	ნ5.9	66.3
5.5	9000		52.0	58.0	41.0	63.8	64.4	65.3	65.4	05.5	65.8	65.9	65.9	66.0	56.D	06.1	66.1
٠.	4.731		55.D	61.5	(· > • 5	68.0	66.7	69.3	67.8	69.0	70.1	70.2	70.3	70.4	70.4	17.5	76.5
			55.6	62.3	66 · 4	68.9	69.6	70.2	73.6	10.7	71 • C	71.1	71.2	71 • 3	71.3	71.3	71.4
A) E	o~J1!	7	55.9	62.6	66.7	69.2	69.9	77.5	77.9	71.0	71.3	71.4	71.4	71.6	71.5	71.6	71.7
	ازن "ر	9.1	5.7.3	54.0	60.1	70.6	71.3	72.2	72.4	12.5	72.8	72.0	73.0	73.1	73.1	73.2	73.2
G.E	41.11		54.5	65.5	69.7	72.2	73.0	73.7	74.1	74.1	74.4	74.6	74.6	74.7	74.7	74.8	74.6
	4 33		(2, 3	57.7	72.1	74.7	75.6	76.3	76.7	76.8	77.1	77.2	77.3	77.4	77.4	77.4	77.5
r	34		62.4	77.5	74.5	77.3	78.2	79.0	79.4	79.5	79.6	77.9	80 • C	83.1	20.1	60.2	80.2
	3.50		65.0	73.	73.0	81.1	82.1	82.9	53.4	o 3 . 4	83.e	8 7 .0	94.0	84 . 1	94.1	84.2	A 4 . 2
•	, , ,		J 7.		.,,,,		,,,,,		,,,,	3,44	,			.,,,,,	•••	.,	
, :	25 0 31	9.9	56.3	74.5	77.7	83.0	84.2	84.9	# 5. 4	a5.4	05 . B	46.1	36.0	96.1	°6.1	66.2	P6.2
: 4		9.8	67.3	75.7	81.0	64.7	65.7	86.7	37.2	57.2	97.6	97.8	A7.8	87.9	97.9	88.0	88.1
,	1 - 51	) '.a	67.5	10.0	31.5	85.0	96.0	87.0	87.6	87.5	68.C	64.2	88.2	89.3	98.3	64.4	88.4
1. 1.	15.55	9.8	69.4	77.1	92.5	86.5	87.6	98.8	99.3	87.4	94.9	97.0	99.0	10.1	97.1	93.2	90.2
•	1140	7.0	63.9	77.7	03.3	87.4	46.5	89.8	91.3	90.4	20.8	91.7	91.0	91.2	91.2	91.3	91.3
, 1	: , 7.1		67.2	73.0	74.3	64.3	89.5	97.9	-1.5	¥1.6	92.1	97.3	92.3	92.4	92.4	92.5	92.5
, r			49.3	78.4	94.5	83.7	P5.9	91.3	72. a	92.0	92.5	97.7	92.7	92.9	92.9	53.0	93.0
11.			( ) . 4	79.7	24.7	03.3	76.5	92.0	42.5	42. R	23.3	31.5	¢3.6	93.7	03.7	93.A	93.8
	7.00		5 + - 5	19.9	55.2	97.1	01.5	92.7	73.1	33.3	24.5	94.7	74.7	34.3	34.3	94.9	95.3
1.0	* 5	9,0	4.1.6	10	په ر ۵	77.5	42.0	97.5	74.5	74.6	75.2	پ د پ در	95.5	95.7	25.7	95.8	95.8
	4.	9.5	٠٠.١	19.2	25.7	91.3	72.6	94.4	95.5	15.6	96.3	95.6	76.6	26.8	96.8	96.9	96.9
			61.7	13.3	55.5	91.4	93.1	95.0	26.2	96.1	97.1	97.4	77.4	97.6	97.6	97.7	97.8
, r			59.7	77.3	45.4	91.5	93.2	95.3	96.6	96.4	97.7	94.7	99.1	98.4	98.4	98.5	96.6
			69.7	77.3	85.7	91.5	92.3	95.5	76.9	97.1	98.1	90.6	78.6	97.1	99.1	99.3	99.4
10	:	7 R	1.9.7	77.3	75.5	91.5	93.3	95.5	75.5	77.1	28.1	9 6	98.7	99.7	79.2	99.5	99.8
	• •		, • 1		1,	, ,	- 20 3	, •	79.7	7101	**: • 1	<b>7</b> - <b>1</b>	-0.1	,,,,		,,,,	,,,,
. ~	-	7.0	6.2.7	79.3	25.7	91.5	9 2 . 3	, c . c	46.4	97.1	28.1	99.7	98.7	99.2	99.2	99.5	100.0
															,		

TOTAL NUMBER OF O'SERVATIONS: 1233

SERVICEMATCH SERVICEMACH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFR NU PERIOD OF RECORD: 77-85 MONTH: OCT HOURSILSTI: DROD-D2CD VISIBILITY IN STATUTE MILES GE GE GE 4 3 2 1/2 19 | 66 OSET | 15 GE 6 GE GE GE GE 2 1 1/2 1 1/4 GE G.E GE GŁ G.F GE 5 1 3/4 1/2 5/16 1/4 D. 5/8 40 CLIL | 7.5 47.8 57.2 51.7 52 · u 52 . 8 53.1 53.2 53.2 53.2 53.2 53.2 53.4 53.4 53.5 53.9 as 200001 7.7 51.7 54.4 56.3 57.1 57.4 \$7.5 57.5 57.5 57.5 57.5 57.7 57.7 05 180001 05 16,001 05 140001 05 140001 7.7 57.5 57.5 57.7 57.5 57.5 57.5 57.5 57.7 57.7 57.7 57.7 51.7 54.4 56 . 1 56.3 57.1 57.4 57.5 57.5 58.0 58.4 51.7 54.4 56 • J 56.3 57.4 57.5 57.1 58.0 58.4 56 • 2 57 • 3 7.7 51.9 54.6 57.3 57.6 57.7 57.7 57.7 57.7 58.0 59.0 56.4 58.8 58.9 59.8 Jr 10001 9.1 56.1 58.3 6..6 61.0 61.7 62.5 52.2 62.2 62.2 62.2 62.4 63.J 62.2 62.4 62.6 9:301 6:3301 7:331 8.4 6.4 62.5 67.8 68.8 62.9 69.3 69.2 . € 6.5 62.4 62.5 62.5 56.5 57.1 61.3 61.3 62.0 62.5 52.5 62.7 42.7 63.3 6 J. 6 6 L. 7 54.i 55.1 66.J 67.J 66.5 68.1 58.1 69.3 67.3 67.8 57.8 67.8 68.7 68.3 68.8 68.8 50.3 69.1 58.8 60001 3.7 52.2 55.5 67.2 68.7 69.3 62.2 69.2 69.5 70.1 73.9 ŋΕ 50001 6.7 63.4 67.3 68.7 69.5 7 L. 3 70.3 73.9 70.9 73.9 70.9 71.1 71.1 71.3 71.7 50 00 00 50 45 JUL 47 JUL 35 JUL 8.7 8.7 9.7 73.3 75.8 56.3 53.8 67.9 72.2 73.9 74.3 74.4 77.2 74.4 74.4 77.2 74.4 77.2 74.4 77.2 74.6 77.4 74.6 74.8 77.6 75.3 76.1 74.3 76.7 77.1 77.2 77.4 70.6 72.8 79.6 72.7 87.1 74.4 70.3 79.1 79.7 79.7 79.7 79.7 79.9 79.9 83.5 P2.7 82.9 35331 20331 19331 94.6 84.8 55 55 55 55 73•a 85.1 85.5 9.7 74.6 74.7 19.6 19.7 84.1 45.7 45.3 85.7 82.3 92.3 24.9 85.5 95.7 95.7 95.7 86.7 ۹6.0 86.2 86.7 85.E 25.1 85.6 85.2 85.5 93.4 85.8 86.1 96.1 85.3 86.8 1503) 1203) 9.7 75.7 81.3 65.8 87.2 P7.6 99.4 25.3 99.8 48.8 89.1 76.0 31.6 °8.1 88.5 98.8 89.1 89.4 89.8 1"J" 9.7 49.6 69.6 89.6 89.9 99.9 75.1 81.7 37.5 86.5 87.2 07.6 99.6 93.1 90.5 H's . fs 9031 8031 7.7 76.1 76.1 96.9 89.4 87.7 97.1 97.5 95.0 95.4 10.0 90.5 91.4 90.3 97.5 82.2 83.J 75.3 93.0 າງ.3 91.0 80.0 A6 . 5 7 ] . 4 20.4 93.4 93.8 91.4 7371 21.1 91.1 11 76.2 96. C 91.1 91.4 91.4 esai 9.7 75.5 92.7 97.5 87. 90.9 91.6 91.9 91.9 91.9 91.9 92.3 5301 90.5 93.2 9.7 75.6 52.9 87.7 91.8 72.6 92.7 72.0 92.5 97.0 92.9 93.2 93.4 93.9 , -93.7 94.1 4 , 7 83.1 83.1 3.7 93.7 91.7 72.5 72.7 03.7 75.6 98.1 91.2 93.7 03.7 94.7 94.3 94.2 94.7 7031 7031 1031 94.2 7.7 70.6 88.1 91.5 24.1 94. 94.2 94.9 34.9 95.1 95.7 93.7 96.5 97.8 9.7 75.6 8 7 - 1 24.1 91.4 92.7 24.1 94.1 24.4 94.5 95.9 96.3 97.3 94.8 91.6 94.7 43.4 93. C 94 . 96.5 74.4 96.7 76.6 93.1 30.4 93.0 94.7 94.8 97.8 100.0 91.6 94.0 94.4 96.5 96.7 94.4

FOTAL NUMBER OF OBSERVATIONS: 930

SUBSAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

ATR WEATHER SERVICE/MAC

STATION NUMBER: 724096 STATION WAME: MCGUIRE AFB NJ PEPIOD OF RECORD: 77-86 MONTH: OCT HOURS (LST): 0300-0500 VISIPILITY IN STATUTE MILES GE OE GE GE 5 4 3 2 1/2 IN | FECT | SE SE SE SE SE SE SE 2 1 1/2 1 1/4 1 3/4 6E 5/16 5E 5E GE 5 E 1/2 5/8 1/4 51.9 as core 1 7.1 43.9 47.7 57.9 51.5 52.5 53.1 53.2 53.2 53.3 6F 23500} 6F 18025| 6F 16037| 6F 14767| 46.6 57.5 52.5 54.4 55.5 56. C 55.2 46.7 56.9 56.8 56.9 56.9 57.0 57.2 50.5 50.5 50.8 56.8 56.8 57.0 57.2 57.2 57.4 7 • 1 7 • 1 46.6 52.0 52.6 54.4 55.1 55.1 55.5 55.5 56. J 55. O 56.2 56.7 56.7 56.9 56.9 56.9 56.9 56.9 57.0 57.0 7.1 46.8 52.8 53.4 54.6 55.3 55.7 55.2 56.5 56.5 57.7 57.1 57.1 พย มีสำคัญ เ 55.3 57.1 57.5 57.6 47.4 51.4 55.9 56.3 56.7 58.1 ⊒E 1USCO| 65 0 000 4 2. 9 59.2 60.9 60.5 67.9 64.8 54.1 59.8 60.8 €1.0 59.2 58.8 60.5 63.5 63.6 50.2 60.4 65 97001 65 87001 65 77601 7.2 50.2 54.4 57.8 58.5 59.1 59.6 63.1 60.3 40.8 63.9 61.3 61.1 61.3 50.0 51.0 60.1 62.3 62. 9 64.1 64.3 64.7 64.8 64.9 64.9 65.1 65.3 66.1 €6.2 64.1 66.6 1. F 60001 54.6 59.2 61.5 63.7 64.3 64.7 65.5 65.8 66.2 66.3 66.3 66.5 66.5 66.6 66.8 500n| 4500| 4500| 3500| 7.4 7.4 57.2 59.0 61.8 64.2 u6 . 5 67.1 67.7 63.5 63.6 69.0 67.1 67.1 69.2 69.2 69.4 69.6 71.4 75.7 71.3 6.8 67.3 66.J 70.J 69.1 73.4 69.2 73.4 72.8 75.1 71.2 71.3 75.6 71.4 75.7 71.5 75.8 71.7 76.0 68.4 71.3 5 " 74.1 72.7 75.6 76.3 74.5 77.2 71.2 7.5 63.7 69.7 71.5 74.3 75.1 76.7 77.1 77.3 77.4 77.6 71.4 A3.6 81.0 65.6 74.5 9C.3 90.5 78.2 ° 3 • 1 R 3 . 4 25031 0.2 67.5 13.5 16.7 79.5 90.4 81.1 91.7 62.0 82.6 83.0 83.0 53.1 83.2 2" 12 | 12 J2 | 87.9 81.2 81.7 C.F. 4.2 53.9 69.2 74.7 75.5 82.6 яч.1 яч.4 84.5 84.5 84.8 84.5 85.1 75.1 73.4 81.8 82.2 63.2 d3.5 84.6 84.9 85.3 a 3 . 9 83.5 9.2 69.5 75.7 83.7 25.4 59.5 82.4 P 5. 5 84.3 45.3 95.8 86.2 86.2 86.3 96.3 86.5 86.4 1730| | 971| | 981| | 731| 87.6 4.2 75.5 17.3 77.5 17.7 61.3 61.2 49.9 43.4 04.6 85.4 86.1 56.5 P7.2 A7.6 A7.7 97.7 87.8 88.2 7:.5 7:.6 88.5 83.9 93.7 Üς AP . 1 69.0 89.4 90.2 84.3 85.7 46.2 87.0 07.3 88.5 88.6 48.6 88.7 of Gr 86.6 99.8 99.7 97. 3 01.5 P8.4 88.9 A8.9 69.0 A1.4 9.2 e6.5 A9.8 87.9 85.3 33.2 88.5 59.8 51 77.7 A9.4 89.6 8.2 ۶7. 4 99.4 99.5 91.3 91.7 70.8 75.8 70.8 87.4 87.6 97.3 9.3.3] 20.2] 78.1 70.1 82.j ⊬8.3 48.1 97.6 91.1 91.5 92.4 92.4 92.5 92.5 92.6 92.9 ù E 86.5 86.5 74.1 86.7 46.8 92.3 95.4 95.9 96.1 97.6 96.8 9.2 C 8 . 2 92.7 94.1 94.6 74.6 95.8 7').0 72.1 95.1 26.2 32.2 F0 . 4 73.3 2.1 8.2 72.6 73.0 97.6 100.0 73.8 78.1 82.2 05.6 48.4 93.6 24.4 34.1 96.2 95.1 95.8

TOTAL NUMBER OF OUSERVATIONS: 93

GLOBAL CLIMATOLOGY BRANCH HIGHERTAC AIR WEATHER SERVICEZMAC

# PERCENTAGE FRIWDENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY $\theta_DSERVATIONS$

STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB NU

5 74	HON N	ያናካህ:	724395	21411	ON NAME	: MC 60	IRE AFB	.17				DE L 100	OF PEC				
												MONTH			(LST): 1		
	LING	• • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
1		GE	GE	3.0	GF	GF	65	GE	G.	GE	GE	66	GE	GE	GE	GE	úξ
_	•	1.0	ر. د	٠.	4		2 1/2		1 1/2		1	7/4	5/8	1/2	5/16	1/4	0.0
	•		_														
F 7	CLIFI	7.1	3 d • J	47.4	42.2	45.5	46.5	47.1	47.5	47.9	48.2	40,4	49,4	43.9	48.9	48.9	49.1
٦,,	202301	7.4	41.3	44.6	40.7	57.3	51.5	52.6	53.4	53.9	54.2	54.4	54.4	54.9	55.1	55.2	55.4
5.5	160001	7.4	41.3	44.6	45.7	57.3	51.5	52.6	53.4	53.P	54.2	54.4	54.4	54.9	55.1	55.2	55.4
50	أدداؤن	7.4	41.3	44.6	45.7	50.3	51.5	52.6	53.4	53.R	54.2	54.4	54.4	54.7	55.1	55.2	55.4
$\cdot_1 \vdash$	197031	7.4	41.3	44.4	45.7	50.3	51.5	52.€	53.4	53.9	54.2	54.4	54.4	54.7	55.1	59.2	55.4
ιĘ	127401	7.4	41.7	45.3	47.3	51.3	52•2	53.2	c4.1	54.4	54.8	5 - 1	55.1	55.6	55.7	55.8	56.3
F	137331	7.5	44.4	47.5	47.9	53.9	55.1	56 • 1	57.1	57.4	57.6	54.1	58.1	53.6	58 • 7	59.8	59.0
úξ	30031		44.4	44.1	50.1	54.1	95.3	56.3	57.3	57.6	58.1	50.3	59.3	58 . R	58.9	59.0	59.2
65	ลามาไ		49.7	54.1	55.3	u3.6	61.8	62.9	64.0	64.4	64.8	65.1	65.1	65.6	65.7	65.8	66.3
_	7 331		r J. 9	55.5	57.8	62.5	63.9	64.7	56.0	66.5	66.9	67.1	67.1	67.6	57.7	67.8	68.1
ta er	60001		91.0	55.7	50.1	62.1	64.1	45.2	65+2	66.7	67.1	6 - 3	67.3	67.P	59.0	68.1	€8.3
r	shaal	a . 0	52.0	57.2	57.6	64.5	66.1	67.2	68.3	03.7	69.1	62.4	67.4	69.7	70.0	70.1	70.3
u -	45 121		53.7	20.2	51.7	66.9	66.6	67.8	71.1	71.5	72.0	72.3	72.3	72.9	72.9	73.0	73.2
ű.	4502		55.2	51.1	63.9	63.1	70.9	72.2	73.5	74.3	74.5	74.7	74.7	75.3	75.4	75.5	75.7
ء ر	35 201		56.7	63.3	55 • 3	11.7	73.7	75.1	75.5	76.9	77.4	77.6	77.6	78.2	79.3	79.4	76.6
3.5			58.1	54.7	67.7	73.3	75.4	76.9	79.3	78.8	79.6	79.9	79.8	67.3	53.4	67.5	PU.9
55	25.001		- ) 9	55 · n	59.4	75.6	77.7	13.5	3.3.6	a1.?	51.9	80.2	32.2	82.7	82.8	63.0	P 3. 3
t. c	2 60}		53.6	57.5	73	76.3	15.3	37.5	92.2	62.7	93.5	83.8	93.8	64.3	P4.4	84.6	84.9
	14.41	-	63.9	67.5	71.3	77.0	79.1	47.₽	92.4	9.56	03.6	84.0	34.0	64.5	A4 . 6	8 . 4	85.2
i.F.	15001		51.5	54.5	71.5	79.1	8 II • 3	42.7	° 3. 7	84.2	P5 + 1	85.4	95.4	46.3	°6•1	86.5	86.8
» (°	12021	Э,С	61.3	63.7	7	13.4	81.8	32.6	94.2	84.7	95.6	4	45.9	86.5	90.7	87.0	87.3
υf	17071	9.9	61.6	62.	72.4	73. 1	31.3	43.3	45.3	95.4	₽6 <b>.</b> E	67.1	97.1	37.7	87.8	5.86	P8.5
111	2:11	9.9	ri.ė	59.2	72.5	77.1	61.5	93.9	P5.9	46.5	67.4	87.7	57.7	88.4	°8.5	BR.B	89.1
a *	6531	٠.9	93.3	59.5	7.2 • 9	77.5	32.3	94.5	46.6	87.1	88.1	85.5	88.5	89.1	99.2	69.6	89.9
15	70.21	9.9	52.3	67.7	73.1	87.6	23.4	85.n	93.5	88.5	99.6	90.0	73.0	¥7.6	73.8	91.1	71.4
., :	6.59 <b>1</b>	a • 9	62.0	59.7	73.2	87.9	23.7	56.7	93.3	08.9	20.3	97.9	90.8	91.4	91.5	91.8	92.2
, =	5.31	a. 0	62.3	69.7	73.2	8 1 . 1	h4.0	86.7	87.1	39.9	01.4	91.A	91.9	92.5	92.6	92.9	93.2
ي د	457		52.2	67.5	73.3	81.	24.1	35.7	7 3	11.0	22.6	97.0	93.0	93.7	93.9	94.2	94.5
4.5	7001		62.2	52.8	75.3	81.2	24	36.7	7.1.1	91.7	92.8	9 7 . 2	93.2	93.9	04.3	94.7	95.2
ıř.	20.1		92.2	59.3	73.3	81.2	94.2	87.1	97.3	91.4	93.7	94.2	74.2	95.3	95.9	96.5	97.3
, "	1.31		52.2	57.3	13 - 3	51.2	44.2	87.1	27.3	91.4	93.8	94.3	94.4	95.8	96.5	97.6	99.5
a =	1	9.9	92.2	57.8	13.3	81.2	94.2	67.1	99.3	.1.4	23.6	94.3	94.4	95.B	96.5	97.6	100.0
	•							J		,,,,	.,.0	,					

TOTAL NUMBER OF 015ERVATIONS: 930

JESSAL CLIMATOLOGY BRANCH LSAFETAC A12 HEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF LCCURPENCE OF CFILING VERSUS VISIBILITY FROM FOURLY $\theta_{0}S_{E}rvations$

3 TA	TICN	พย	M#ŁD:	724096	STATIO	ON NAME:	MC 60	IR" AFB	LN						0PU: 77			
													MONTH			(LST):		
CE1	11.14:6									PILITY								•••••
	••	Í	SE	GE	GΕ	uξ	GE	G E	GE	Gξ	GE	GE	6.6	GF	GE	GE	GΕ	33
	L T	ļ	14	6	5	4		2 1/2		1 1/2	1 1/4	1	3/4	5/8	1/2	c/16	1/4	۵
• • •	• • • • •	• •		• • • • • •	•••••	• • • • • • • •	• • • • • •	•• • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
1, 1	CLIL	ı	12.2	43.5	45.5	40.6	49.5	49.6	47.6	49. 5	49.9	49.8	49.9	49.8	49.9	49.8	49.8	49.8
										-			. •				. • •	
	32033			46.4	51.2	54.3	55•₺	55.8	55.9	56.1	56.1	56 • 1	54.1	56.1	56.1	56.1	56.1	56.1
	13000			43.6	51.4	54.5	55•8	56+ D	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
	10363			48.6	51.4	54.5	55.3	56.0	56.1	50.3	56 • 3	66.3	51.3	56.3	56.3	56.3	56.3	56+3
	1475			49.6	51.4	54 + 6	56.3	56.2	56.3	56.6	56.6	€6.6	55.6	56 + 6	56.6	56.6	56.6	56.6
٠,٠	1. 131	1	13.9	40.9	51.7	54.9	56.3	re. 6	56 • 7	56.9	56.7	56.5	54.9	56.9	56.9	56.4	56.9	56.9
. r	12002	: 1	11.0	51.7	54.6	57.0	57.2	59.5	59.6	52.3	59.0	59.6	57.8	59.8	59.8	59.8	59.8	59.8
, -	9730			51.7	54.6	57.3	59.2	59.5	59.5	57.9	57.8	59.8	50.H	59.8	57.8	59.8	59.8	59.8
٦,٠	5			56.8	57.6	64.3	65.5	65.7	65.8	66.0	66.7	46.6	66.0	66.7	66.7	£6.J	66.0	66.0
u é	7:5:	i i	11.9	59. 1	62.1	55.7	67.2	67.4	67.5	67.7	07.7	57.7	67.7	67.7	67.7	67.7	67.7	67.7
u.E	(1)			38.3	62.5	65.1	67.0	57. b	68.2	68.2	68.2	68.2	68.2	68 • 2	63.2	68.2	68.2	68.2
		•	•				•			0.34.2	0	3.7.2		00.2	0,742			0012
6. "	ووازي	1	12+2	60.2	54.7	63.4	62.9	7( • 1	70.2	73.4	17.4	70.4	72.4	77.4	77.4	70.4	70.4	75.4
. , F	45 37	i i	17,4	61.3	66.0	70.1	72.0	72.3	72.4	72.6	72.5	72.6	72.€	72.6	12.5	72.6	72.6	72.6
,-	4:33	1	12.6	63.9	57.1	73.2	75.2	75.4	75.5	75 - 7	15.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
σE	35.11	:1	17.8	46.7	77.	15.2	79.4	78.7	79.9	79.3	79.3	79.L	73.3	79.0	77.7	79.3	79.0	79.0
, r	3733	i	13.3	5 4.9	15.5	33.2	87.7	# 3 · u	63.2	H3.4	03.4	93.4	h 3 . 4	93.4	43.4	P 3 . 4	63.4	93.4
LE	25.53	: i	13.3	73.5	16.5	P1.4	84.1	H4.4	84.6	44.8	84.9	24.€	34.9	84.8	34.9	84.8	84.8	R4 • 8
, .	31 J	1	17.5	11.6	77.5	33.3	55.7	≎€.ე	86.3	A 5 . 5	86.6	P6.6	85.6	26.5	86.6	R6.6	86.6	86.6
, .	1857	1	13.5	71.6	77.6	43.3	85.7	₽6.0	06.3	86.5	86.6	₽6 • 6	86.6	96.6	96.6	96.6	86.6	P6.6
, 1	1503	3 (	13.5	72.4	79.5	P4 . 2	37.3	÷ 7 • 6	39.7	43.2	8 R . 2	69.2	89	98.2	99.2	P9.2	83.2	88.2
45	1 37	1	13.5	73.1	17.4	3 . د ۹	BR.9	64.2	83.6	37.3	a ₹ • 3	89.8	90.8	39.8	49.3	P9.8	99.8	89.8
;, r	1 3	٠,	1 7 5	73.4	79.7	a5.e	89.9	nj.5	91.3	71.2	91.7	21.2	91.7	21.2	91.2	21.2	91.2	91.2
			13.5	73.5	79.3	30.1	97.	91.2	91.6	71.3	91.9	71.8	91.0	71.8	91.5	91.9	71.7	91.9
6			13.5	73.5	1 1.3	36.5	93.5	91.9	92.5	72.7	92.7	92.7	92.7	92.7	92.9	92.8	92.8	92.8
je.			13.5	73.4	37.6	35.9	71.5	73.5	93.7	24.1	94.1	24.2	94.1		94.4	24.4	94.4	94.4
			13.5	73.8	40.6	97.3	97.0	73.4	94.3					24.3				
•	·, ,	•	1 1. "	7.74.73	3.7.0	77.3	9:00	.5. 4	94.3	94.3	14.3	25.1	95.42	95.2	45.3	75.3	95.3	95.3
$r_{z} \in$	٠.	١.	17.5	*3.8	97.5	37.1	92.2	¥3.7	94.7	95.6	95.0	75.5	94.6	96.6	95.9	26.9	96.9	96.9
			11.5	73.8	# 7 . 6	37.1	97.3	93.9	25	96.0	75.3	97.0	97.1	97.1	97.4	97.4	97.4	97.4
, f			1 4 . 5	73.8	87.6	87.1	92.4	-4.1	95.6	96.6	10.7	38.0	90.7	98.2	98.5	98.5	98.6	98.6
			13.5	73.8	37.0	57.1	9 ? . 4	20. 7	95.0	16. 5	77.3	98.5	99.3	99.5	99.5	37.6	99.8	99.9
, "	1 / 7	, 1	13.5	73.8	87.5	37.1	92.4	64.1	95.6	76.8	+7.3	78.5	90	99.0	99.5	97.7	99.9	100.0
ų m		ŀ	17.5	73.9	o 7 • 5	37.1	22.4	74.1	35.6	96.5	91.3	98.5	99.0	99.0	99.5	99.7	99.9	136.0

TOTAL NUMBER OF ORSERVATIONS: 35

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GENEAL CLIMATOLUGY BRANCH HSAFLTAC ATH ALATHER SERVICEMMAC

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

			124096									DOJE39 HINDM	: 001	HOURS	(LST):		oc
STILI		• • • • •	• • • • • •	• • • • • • •	•••••		•••••		PILITY			 ES	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	••••••
LN Fill	1		5L 6	5	GE 4	6E 3	65 2 1/2	G£	55	6E 1 1/4	GE 1	ा E ₹/4	6.E 57.8	GE 1/2	υ£ •/16	GE 1/4	LF O
		<b>3.</b> 6	41.2	42.6	43.1	43,1	43.1	43.1	43.1	43.1	43.1	47.1	43.1	43.1	43.1	43.1	43.1
58 23 55 16 55 16		12.4	43.3 49.1 43.1	51.7 51.1 51.1	61.5 51.7 51.7	51.5 51.7 51.7	51.5 51.7 51.7	51.5 51.7 51.7	51.5 51.7 51.7	51.5 51.7 51.7	51.5 51.7 51.7	51.5 51.7 51.7	51.5 51.7 51.7	51.5 51.7 51.7	*1.5 51.7 *1.7	51.5 51.7 51.7	51.5 51.7 51.7
4€ 14 65 13			48.5	51.1 51.6	51.7	51.7 52.3	51. 7 52. 3	51.7 52.3	51.7 52.3	51.7 52.1	51.7 52.3	51.7 52.3	51.7 52.3	51.7 52.3	<1.7 52.3	51.7 52.3	51.7 52.3
	ici.	12.9 12.9 13.9	50.5 53.5 55.1	53.7 53.a 58.9	54.6 59.4	54.5 54.6 59.0	54.5 54.6 55.9	54.5 54.6 59.9	54.5 54.6 59.9	54.5 54.6 59.9	54.6 59.9	54.5 54.6 57.9	54.5 54.6 59.9	54.5 54.6 59.9	54.5 54.6 59.9	54.5 54.6 59.9	54.5 54.6 59.9
	716.31 513.31	14.2	56.5 57.1	57.2 51.1	61.3 62.3	61.J 62.S	61,3 62,5	61.3 62.0	62.5	62.0	62.C	61.3 62.0	61.3 62.0	61.3 62.0	41.3 £2.J	61.3	61.3 62.0
ω (		14.6 14.8 15.2	54.4 67.9 65.9	52.3 64.9 77.1	63.3 66.J 74.2	63.3 66.3 71.2	63.3 66.0 71.2	63.3 66.0 71.2	63.3 66.0 71.2	63.3 66.7 71.2	63.3 66.0 71.2	66.3 71.2	63.3 66.0 71.2	63.3 66.0 71.2	63.3 66.3 71.2	63.3 66.0 71.2	63.3 66.0 71.2
a** - 3	misi	15.9 17.0	71.8 79.3	76.2 83.3	77.5 45.5	77.6 85.7	77.6 45.7	17.5 85.7	71.6 #5.7	11.6 85.7	77.6 25.7	77.6 85.7	77.6 45.7	77.6 85.7	77.6 85.7	77.6 65.7	77.6 85.7
ن آن نا	1001 1401	17.2 17.2 17.2	91.4 93.3 23.1	46.2 88.7 84.1	49.7 29.5	88.4 90.1 90.2	96.5 96.2 9∟.3	88.5 97.4 97.5	64.5 93.4 93.5	oP • 5 ≠11 • 4 ∀10 • 5	99.5 90.4 90.5	90.5 90.5	89.5 90.4 90.5	99.5 93.4 93.5	98,5 93.4 93.5	97.4 97.5	88+5 90+4 90+5
(, r	ורניו	17.2	94.1	89.1 89.9	91.7	92.6	92.8	93.4	93.6	92.6 93.5	32.7 33.7	97.7	92.7	92.7	73.7	92.7	92.7
, r	9 1 5001	17.2	94.8 94.8 34.3	93.8 97.3 97.1	92.3 92.4	93.1 93.1 93.1	93.4 94.1 94.8	94.1	94.2 94.5 93.7	94.7 94.4 95.4	94.3	94.9	94.9	94.9 95.9	94.3 94.3 95.3	94.3 94.9 95.9	94.3 94.9 95.9
i, e , e	<i>(</i> 13)	17.2	14.6 24.5	90.1	42.5 42.5	94.7	95.5 95.9	96.7	90.9	95.5 97.7	95.t 97.2	97.2	70.6	95.5	27.2	96.6 97.2	96.6
	4 11 10	17.2	44.3 44.8 74.8	9 1.1 9 1.1 9 1.1	35.0 35.0	75.2 95.4 95.4	76.6 76.6	97.1 97.3 97.6	97+3 97+5 93+1	77.4 77.6 78.1	77.6 98.1 99.0	97.4 94.3 99.5	97.8 98.3 99.5	97.8 99.3 99.7	97.8	97.8 99.3	97.8 98.3 99.7
6F	151	17.2	74.5	97.1	92.46	95.4 95.4	96.8	97.6 97.6	91.1	99.3 98.3	99.2	49.7	79.7	107.0	170.3	100.0	100.0
		17.2	24.9	97.1	*2.0	95.4 •••••	76.8	97.6	79.1	99.3	79 ••••••	90.7	79.7 •••••	100.0	170.0	100.0	170.0

TOTAL WHITER OF OPSERVATIONS: 930

# SITHAL CLIMATOLOGY BRANCH PERCENTAGE FRIBUENCY OF OCCUPACIONS OBSERVATIONS THE AFAITHER SERVICEZMAC

5 14	1105 N	UMSER:	724396	STATI	ON NAME	: 46.60	INF AFB	<b>7</b> .7					OF HEC	17 : LAU HOURS		1500-17	no.
			• • • • • •	• • • • • •													
	LING		.21							IN STATE							
	i I	3£	نائ اه	GE.	9F 4	äΕ,	65 2 1/2	٦.	3° 1 1/2	ut	GE 1	( E 374	61 578	31 1/2	ان 116ء	3E 1/4	GF O
	-		• • • • • •						1 1/2		-		****			1/4	
(a.)	CETL 1	13.3	42.6	44.3	44.4	44.9	44.3	44.2	44.5	44.5	44.8	44.0	44.8	44.9	44.8	44.8	44.8
. •	205,301	12.1	72.3	54.4	51	55.1	55.1	56.1	>5.1	5.1	°5.1	55.1	55.1	55 • 1	55.1	55.1	55.1
	197071		52.5	54.4	55	55.1	10.1	55.1	55.1	25.1	55.1	55.1	65.1	55.1	45.1	55.1	55.1
	161311		52.3	54.4	55.1	55.1	(5.1	55.1	55.1	25.1	55.1	5 . 1	55.1	55.1	55.1	55.1	55.1
٦.	141 011	17.7	52.7	54.4	55.5	55.5	55.5	55.5	35.5	35.5	55.5	55.5	55.5	55.5	65.5	55.5	55.5
ort.	121311	12.5	5.3.5	55.3	55.7	56.7	re. 7	56.7	5 3 . 7	25.7	56 • 7	54.7	56.7	56.7	56.7	56.7	56.7
45	131311	12.9	50.3	59.1	6:	53.7	50.0	67.3	61.0	62.7	62.5	67.7	63.3	62.0	63.3	£3.0	60.0
6.	9,001		56.6	59.4	63.2	67.2	F L . 2	67.3	52.0	03.0	60.2	67.7	60.2	67.2	63.2	63.2	60.2
, e			51.9	64.4	65.4	65.4	65.4	65.4	45.4	65.4	65.4	6 . 4	65.4	65.4	65.4	65.4	65.4
	71301	19.1	62.4	65.7	50.7	65.4	06.9	66.7	65.9	66.7	66.9	54.9	65.9	66.9	60.7	65.9	66.9
4.5	5,7031	14.4	52.9	56.5	67.4	67.4	67.4	67.4	57.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
15	51,331	14.4	65.1	69.0	67.8	62.4	69.9	62.9	53.9	69.3	49.9	60.9	69.9	69.9	69.9	69.9	69.9
al.	45.11		63.1	7:.5	72.0	12.1	72.0	73.0	73.2	73. 3	73.6	77.7	73.0	73.2	75.3	71.0	73.0
٠,٠	4131	15.2	73.2	76.3	73.2	79.3	78.4	79.4	73.4	74.4	79.4	70.4	79.4	73.4	73.4	78.4	78.4
f و،	35 31	15.5	79.2	82.	43.5	84.1	~4.3	44.3	44.3	94.7	44.3	54.3	44.3	H4.3	P4.3	84.3	84.3
1.5	37021	15.7	92.4	86.2	90.5	84.4	59.1	87.1	39.1	37.1	P9.1	49.1	P 7 . 1	49.1	e ) • 1	69.1	P9.1
,	25.001	15.9	91.5	47.8	93.1	91.0	91.1	91.1	91.1	×1.1	21.1	71.1	91.1	91.1	91.1	41.1	91.1
., e	2:3:1	15.9	34.2	59.7	11.0	91.6	94.J	92.0	72.3	72.3	92.0	92.2	92.3	92.3	92.0	92.0	92.3
7.5	13.21	15.9	24.2	49.7	ال و ي يا	41.7	92.2	92.0	22.2	12.2	92.2	97.7	92.2	92.2	22.2	72.2	92.2
1.5	1554	15.9	24.0	37.1	71.5	47.0	23. 3	93.7	73.2	43.1	23.5	91.0	93.6	43.7	23.3	93.8	93.ú
•	17931	15.9	45.4	9" • 1	03.0	93.9	74.3	94.3	94.3	94. 1	04.3	94.3	74.3	94.3	94.3	44.3	94.3
, č	11 2 21	15.9	e , 4	93.2	92.7	94.1	44.E	94.6	94.6	34.6	74.6	44.6	74.6	94.6	94.6	94.6	94.6
;, €	26.71	15.9	15.6	27.5	23.1	94.1	25.5	95.5	25.5	45.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
. , r	100	19.9	75.6	\$ 1.00	73.4	95.6	76.5	76.6	95.6	96.6	76.6	46.6	76.6	96.6	9 i . 6	96.6	96.6
, *	72.1	15.9	45.6	97.7	>3.7	95.9	26. 5	97. 1	27.1	97.1	97.1	97.1	37.1	97.1	97.1	97.1	97.1
, -	6.101	19.9	3 S . F	91.1	93.9	96.2	41.2	97.4	91.5	¥7.5	97.5	97.5	97.5	¥7.5	21.5	97.5	97.5
, 1	5321	15.0	35.9	71.4	24.3	96.8	27.8	99.2	94. 7	,,,,	28.3	90.3	78.3	99.5	94.5	98.3	98.3
., r	4 1 1	15.5	95.9	91.4	24.5	95	75.0	99.3	71.4	16.4	78.4	9 : 4	93.4	98.4	76.4	98.4	98.4
9.5		15.9	25.9	91.4	94.5	97.1	70.2	98.7	44.4	y 4 • A	98.9	11.1	99.1	99.5	99.5	99.5	99.5
		14.2	24.9	91.4	94.3	97.1	78.2	98.7	29.4	98.1	98.9	90.7	49.2	93.7	23.7	97.8	99.8
, ,		12.0	45.9	91.4	74.3	97.1	98 × 2	92.7	98.4	+4.4	99.0	90.4	99.4	99.3	99.8	107.0	100.0
, :	i	10.9	35.9	91.4	94.3	57.1	50.2	99.7	79.4	49.P	39.6	47.4	99.4	99.9	79.6	100.0	100.0
				• • • • • •													

THIAL HEMBER OF OBSERVATIONS: 922

FERRAL CLIMATOLOGY PRANCH USAFETAC AIR WEATHER SERVICE/MAC

### PERCENTAGE FRIQUENCY OF OCCUPPENCE OF CFILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

TATICN N					-						MONTH	100		LS11: 1		
։ Հել Լու	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••		PILITY				• • • • • • •	• • • • • • •	• • • • • • •		•••••
	GŁ	Gł.	GE	üΕ	'nĹ	6.	GE	GE	GE	GE	S.F	GF	G€	GE	SE	GE
FEET 1	•	Ł	5	4		2 1/2		1 1/2		1	774	5/6	1/2	5/16	1/4	0
• • • • • • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • • •	•••••			• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •		• • • • • •	•••••
n CEIL I	3.2	5.3.8	52.4	53.0	54.4	5.4 <b>.</b> 4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	٠4.5	54.5	54.5
100001	9.2	58.0	51.	62.3	52.7	62.9	62.9	52.3	62.9	63.C	67.0	63.0	63.0	63.0	63.0	63.0
0.180291	2.2	53.0	51.0	62.0	62.7	62.9	62.7	62.9	02.9	63.5	67.0	63.0	63.3	63.0	63.0	63.0
F 16 '311	9.7	58.5	61	ಇತಿ.ಆ	62.9	62.9	62.9	62.9	6 9	63.0	67.7	63.0	63.7	63.3	63.0	63.C
F 14700	9.2	13.2	51.2	62.3	63.1	6.3 - 1	07.1	63.1	0 3 . 1	63.2	67.2	63.2	63.2	63.2	63.2	63.2
127331	3.6	59.5	52.7	63.8	64.6	14.6	64.6	64.6	64.5	64 • 7	64.7	64.7	64.7	64.7	64.7	64.7
120031	3.7	51.7	54.9	15.3	65.9	60.9	66.7	55.4	66. ŷ	57.0	67.3	67.3	67.0	57.0	67.0	67.C
97351		(1.2	65.7	50.4	67.1	6.7.1	67.1	67.1	67.1	67.2	67.2	5.7.2	57.2	67.2	67.2	67.2
5 3:1		67.2	71.2	72.4	73.2	73.2	13.2	13.2	13.2	73.3	77.7	73.3	73.3	73.3	73.3	73.3
7:9:1		59.3	72.3	73.4	74.3	74.3	74 . 7	74.3	74 3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
- คาว์กั		64.7	72.7	75.7	74.7	74.7	74.7	74.7	74.7	74.8	74.0	74 . 8	74.9	74.8	74.8	74.8
។ រ.ដារ	11.C	59.6	73.9	74.3	75.A	75 a	75.9	75.3	75.8	75.5	75.9	75.5	75.9	75.9	75.9	75.9
41 1		12.6	17.7	13.5	72.5	74.5	79.5	77.5	19.5	77.6	19.6	79.6	17.6	79.6	79.6	79.6
″ 4105ĺ	11.5	74.5	79.2	3 5	91.6	F: 7	81.7	41.7	al.7	P1.8	81.4	91.8	91.4	8.18	81.6	61.6
וֹכנייני ז		73.1	33.2	35.1	86.6	46.7	96.7	96.7	36.7	P6 • P	85.P	H6 . B	a6 . B	96.5	86.8	86.6
	11.2	79.1	94.7	90.7	81.5	Ft. 7	89.7	83.7	09.7	98.F	90.0	99.9	88.3	98.8	63.8	98.6
r 25.51	11.9	7,0	35.4	37.5	89.5	89.8	47.4	99.8	89.9	49.9	87.3	87.7	49.9	49.9	89.9	89.9
	11.9	- 1.2	45.0	18.1	9 200	3	90.3	23.3	12.3	20.4	97.4	3	97.4	95.4	97.4	90.4
	11.7	- 1.4	86	63.5	47.2	43.5	97.5	97.5	93.5	77.6	40.5	77.6	93.5	90.6	90.6	90.0
	11.0	F 1 • 1	97.2	49.5	91.5	91.6	91.5	71. 5	91.4	31.9	91.0	91.9	31.9	91.4	91.9	91.9
		-1.4	17.7	90.2	9 ? • 5	99	42.0	12.1	92.9	93.0	9	3.7	93.1	ر. ده	93.0	93.0
1 11 231	11.5	31.7	39.6	21.4	93.9	24.4	39.4	4	34.4	24.5	44.5	₹4.6	94.6	74.6	94.6	94.6
	11.7	7	48.5		94.1	14.6	94 .6	14.6	,4.5	24.7	94.4	24.A	94.3	94.8	94.8	94.8
	11.7	61.9	00.3	91.7	24.7	65.5	95.7	25.7	95.7	75 B		35.9	95.9	95.9	35.9	95.9
	11.9	2.0	80.9	91.3	95.1	45.4	94.	35.1	16.1	96.2	96.3	96.3	46.1	26.3	96.3	96.3
	11.9	32.7	49.0	52.4	95.3	₹6• i	15.3	25.3	96.3	76.5	36.46	16.6	96.6	26.6	96.6	96.6
	:1.0	32.2	99.1	92.2	95.5	56.3	35.6	25.6	96.6	76	۹, ، ه	36 . H	₹5.9	96.9	96.8	96.6
	11.4	-2.2	42.1	92.4	45.7	76.6	27.1	27.1	,7.1	27.3	97.5	97.5	97.5	97.5	97.5	97.5
	11.0		49.1	02.4	95.7	76.6	27.3	97. 1	97.4	27.6	26.7	78.4	98.6	78.6	98.6	98.6
	1 :	P 2 . 2	59.1	12.4	25.7	46.6	57.4	27.4	97.6	27.6	ya t	75 . 7	99.1	95.1	99.2	99.2
	11.0	43.2	86.	4	95.1	26.6	77.4	27.4	47.€	27.P	90.5	94.9	93.4	09.4	99.6	100.0
, .,	11.9	*2.2	89.1	9 4	75.7	56.6	77.4	71.4	97.1	~7.P	90.1.	28.9	99.4	99.4	99.6	100.0

THAT GUPBER OF UPSERVATIONS: GOO

GLOUAL CLIMATOLOGY ERANCH ATR MEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCUPRENCE OF CETETING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PEPIOD OF PECORD: 77-86 MONTH: OCT FOURSILSTI: 2100-2300 ******************************** CETUTAG VISIBILITY IN STATUTE MILES G: GE 1 19 | 1 FEET | 1 6E GE 6L 6E 6E 7 1 1/4 Gr G. SŁ 3 2 1/2 3/4 1/16 1/4 5/8 1/2 60 Cell 1 2.6 13.0 55.2 55.2 49.6 52.3 54.7 54.7 54.9 55.1 55.1 55.1 55.2 55.2 55.2 55.2 1: 20m201 9:0 55.7 58.7 6.:.5 61.6 61.6 01.3 62.0 62. 3 62.0 62.2 1.2.2 62.2 54.2 62.2 62.2 08 101071 05 101071 05 141071 05 141071 62.3 62.3 62.3 67.7 62.2 62.2 62.2 9.r 9.r 55.7 58.7 58.7 60.3 61.6 61.6 61.8 62.0 62.6 62.0 62.0 62.2 62.2 62.2 62.2 62.2 62.2 62.2 62.2 55.7 63.3 9.1 53.7 £1.6 61.6 61.2 62.6 62.5 62.2 62.2 62.2 59.7 62.9 63.0 50.7 4. 7. 6 61.0 63.1 63.1 63.1 € 3 - 1 62.6 12.6 59.5 - 135UNE 62.5 64.; 65.4 65.6 u5.º 45.5 65.0 65.9 65.9 65.9 65.5 65.4 65.6 65 87371 65 87371 65 77321 9.7 65.9 11.1 66.2 71.7 77.5 77.7 59.6 67.5 69.4 65.7 65.7 66.1 71.1 66.2 71.2 66.2 71.2 46.2 66.2 71.2 60.1 7C. 6 77.6 71.1 71.2 7 4. 9 72.4 72.5 72.7 12.7 15.3 67. 7:..9 12.2 72.2 12.4 12.6 73.6 72.6 72.7 72.7 5000) 9.8 4000 10.0 4 000 10.2 35.00 10.3 73.7 73. 7 15.9 74.1 74.1 74.7 74.2 74 . . 74.2 66.8 10.5 72.4 14.1 74.2 74.2 16.5 11.6 77.4 76.9 79.2 82.0 77.3 77.4 77.4 77.4 77.4 79.8 57.5 69.5 7 ... 77.1 17.5 77.3 77.4 Let. 76.9 75.6 78.5 79.2 92.8 79.5 53.1 19.8 79.8 83.5 79.4 1. 1 71.6 19.7 77.7 79.7 79.8 93.5 F1 . 4 23.4 74.2 33.5 03.3 21.0] 17.6 2.0] 17.6 18.3] 17.6 18.3] 17.6 18.0] 17.6 57.2 87.4 87.5 77.5 44.0 67.0 57.5 87.5 07.5 97.6 07.7 97.7 57.7 87.7 c 7 . 7 P 7 . 7 į, i #8.9 89.3 99.4 89.4 80.5 90.9 97.7 75.5 78.5 еь.; °ь.3 88.5 63.6 60. E 67.1 69 • 1 69 • 3 69.0 47.4 59.4 49.5 F9.4 89.4 89.5 89.4 64.2 00.4 P9.5 84.5 \$1.3 90.9 73.0 84.2 H 7 . H 97.1 4 2. 6 13.6 99.4 90.9 27.9 23.9 91.3 71.4 91.7 41.9 41.7 32.6 92.3 92.2 77.7 64 ... 91.1 92.2 4000 1793) 17.6 9.31 17.6 9.31 17.6 7.31 17.6 92.2 85.2 85.4 45.4 13.00 79.9 51.0 91.9 52.7 12.4 92.5 9.3.6 92.6 92.6 92.6 92.6 92.7 V1.4 72.4 91.5 97.3 97.8 92.5 93.3 93.7 77.9 34 - 5 EG 92.6 91.4 97.7 93.5 92.1 92.7 93.5 92.8 ٠, ٢ 50.1 50.1 93.5 43.5 05.0 92. 3 93.5 54.1 94.1 24.1 24.1 94.1 3.)... 95.7 49.4 93.1 93.5 95.9 24.3 94,4 94.4 94.4 94.4 94.4 94.5 0. 11 17.6 3 3.3 91.5 06.1 9.04 24.2 74.5 74.9 75.1 95.1 95.1 95.1 .5.1 95.2 #33| 17.6 *83| 17.6 *35| 17.6 2)... 86.7 93.6 75.2 75.8 25.3 96.6 96.7 95.6 95.7 94.5 45.5 75.0 54.1 94.4 45.6 94., 94.5 76. 46.3 95.4 36.5 96 • 6 96.6 96.7 36.9 97.1 3 ). 4 96.5 0004 24.2 24.6 14. 16.1 +7.1 97.7 97.8 99.0 98.3 44.6 26. ¥6.1 4 7. 4 99.0 94.5 98.4 98.7 100.0 1 10.6 46.3 9 .3 24.2 54.6 95 ... 75.7 97.1 27.4 14.1

TOTAL NUMBER OF OPSERVATIONS: 24. CLUBAL CLIMATOLOGY BRANCH DSAFLTAC AIT WEATHER SERVICEMMAC

### PERCENTAGE FR. QUENCY OF DECOURPENCE OF CFILING VERSON VISIPILITY FROM HOURLY COSH-MAITON:

TATION NUM			_				•				MONTH	: 001		nen;	ALL	
Citivo	••••	• • • • •		• • • • • •	• • • • • • •	•••••			IN STATE				• • • • • • •	• • • • • • •		• • • • • •
	1n	isf t	64. S	ر <del>ر</del> پ		2 1/2		1 1/ J		GF Å	7/4		5f 177	ut 1/10	5.E 17.4	હિં ડ્રે
• • • • • • • • •	• • • • •	• • • • • •		• • • • • • •	• • • • • • •	•• ••• • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •
: CETE 1	a.6	44.5	47.,	45.4	49.4	49.1	40.0	5 2 • 1	53.1	10.2	5 1. 1	50.3	53.4	° 3.4	97.4	Suga.
a sunual	7 · r	13.0	53.2	5+++	50.	٠3	56.5	Top 4	46.4	67.5	57.1	57.1	57.2	(1.2	.1.2	67.
	Q	3 • 3 °	53.3	54.7	56	50.4	56.6	56. 3	55.4	57.1	-7.1	7 - 1	57.3	17.2	57.3	67.4
1 167371	4 . c	· 3.3	53.3	C4 . ,	56.0	5 t • 4	56.6	50.1	56.3	7 - 1	5 7 • 1	.7.1	57.	17.3	1.7.3	47.
	g,r	10.4	53.4	55.3	3502	56.5	76.0	5.7.3	.7.1	51.2	· ' • '	57.3	4,7.4	67.4	. 7 . 5	5.7
E 427.201	3.6	51.2	54.2	55.9	57.7	c 7. 4	57.7	57.4	59.	rs.1	54.1	44.1	58.1	5	5,4.5	
113331	ç , e	5.3° 9	56.4	55.7	52.9	65.2	6 C • F	( )	5 1. 4	45.4	o:.)	61.3	61.1	61.1	61.2	
91021	9.8	54.0	57.2	54.9	67	64.4	67.7	61.0	01.7	*1.2	61.	51.7	51.1	-1.3	c1.4	el.
r	1~.4	5 3 . 4	52.3	64 . 2	65.	65.9	66.2	56.4	46.5	50.6	66.7	46.7	55.8	F to . M	56.6	€7.
5 7 371 1	10.5	5 7.7	53.0	59.5	66	67.3	5 7 . 4	67.8	67.4	64.1	5 1	64.1	64.2	F. W	58.3	
r ( )   1	17.7	€ 3.0	54.0	65.₹	67.1	67.7	59.0	64.	u ª • 3	68.5	6 2 . 5	4.8.5	64.5	F. A . 5	t 4 . 7	٠.6.
r		61.6	25.1	67.1	£ 7 . 1	14.5	57.9	73.1	10.2	70.3	7^.4	79.4	10.5	73.5	1".6	70.
5 45 JOH 1	0.9	63.9	5 P . 2	75.3	71.9	72.4	12.7	73.0	13.1	*3.3	11.1	73.3	73.4	73.4	71.5	73.
f 4 ~~1 i		60.0	7: .5	73.7	75.4	75.9	75.2	75.5	16.5	76.7	74.0	76.4	76.7	76.0	77.7	? 7.
7 35 21 1		* 7.0	74.4	77.4	17	74.7	83.1	4 ). 4	30.5	33.7	97.7	97.7	47.А	P M	e 7.9	-1.
r - 71 33 k 1	11.7	13.7	73.1	83.9	a2. 1	ê 3• 5	33.7	94.5	14.4	94.6	944€	B 4 . 0	34.7	-4.7	, 4 . A	۴4,
r 2501 I		74.2	10.5	32.5	64.7	85.4	85.2	46.1	16.3	96.4	40.6	46.5	45.5	46.0	×6.7	× 6.
د انہ تا		75.2	3 1 . 7	º 3 . 7	86.	86. E	67.1	J 7 . 4	07.6	47.4	47.4	n7.4	44.;	٠,٠)	64.1	- A
. 18   1	17.7	*5.3	a 7.a	25.0	H6.:	* E • B	37.2	47.6	31.1	27.0	нз. ¬	ړ . ۹ ۳	1	44.1	FR	Fe.
5 15 a 1 a	13.7	76.1	31.7	* * . 7	07.4	26.4	4 P . 7	a 🧸 🚡	0 3	23.4	50.5	-4.5	n 1 . 7	9 4 . 7	F 7 . A	яς,
1 1001 1	12.7	* 5 . 4	82.3	17.6	94.5	- 9 . 1	92.7	93.4	10.0	72.4	97.5	93.5	•1•5	30.00	97.7	42.
r ::::4 :		-0.6	32.0	٠. ،	67	49.9	\$ ° . 5	12.0	71.1	-1.3	91.5	91.5	41.6	73.6	91.7	91
n (2011)		76.7	37.7	30.02	83.4	52.4	#1 · 1	71.5	+1.6	21.5	93.3	**• 3	9.7	2.02	42.2	9.7.
ווני ווני	17.7	75.A	37.1	26 • 7	87.7	91.1	91.0	23.3	42.4	72.7	47.4	3.7 × 6	.2.9	01.3	4 1 . 3	<b>₩</b> 5
7001		76.9	33.2	*7.,	97.6	-1.8	97.6	-3.1	93.2	21.€	47.6	• 3 • 6	, 1 . 9	73.H	41.9	44.
4311		77.2	3 3 • 5	41.2	97.9	35.7	91."	13.5	23.7	34 • ~	34.	14.7	94.5	24.5	74.4	4 4
5.31.3		77.5	4 1 .5	17.4	91.4	92.7	+3.€	14. 3	₹4.4	94.9	r: +1	95.1	15.3	75.2	45.3	95
F 9.21 1		77.1	3 3 . 17	47.6	91.6	47.0	94.7	94.6	95.1	25.6	30.7	15.7	95.7	94.4	46.0	¥ 6 .
· '5"[ 1		77.1	6 7 .6	27.6	91.7	93. 1	94.	95.2	25.4	26.1	24.45	26.5	95.9	90.9	¥7.0	91.
1 7071 1		77.1	13.6	11.5	91.7	91.2	94.4	<b>*</b> 5.€5	4 to 2	46.6	. 7 . 1	27.1	27.4	98.3	48.2	98.
1.71	17.7	*7.1	33.5	37.6	01.0	12.2	74.5	25.5	10.3	36 • ₹	**.	97.3	94.1	94.3	44.9	99,
• 1 2	17.0	77.1	9 7 . 6	87.6	91.4	53.2	44.5	20.6	25.4	10 . r	97.7	27.3	99.1	25.3	94.9	100

TOTAL NUMBER OF O SERVATIONS: 7440

TO THE SECTION OF THE SECOND SECTION OF THE SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND

PRINCIPLES OF EURICY OF COCCUPACION OF CUITING VERSUS VISIBILITY

FROM FOUNTY OFF PARTIONS

AL MATER SERVICE/MAC

CHITTON NUMERO STATES CONTRACT HOUSES AFE NU PER100 OF RECORD: 77-86 MONTH: NOV HOURS (EST): 0030-0200 of 61 or 61 or 61 or 7 live live thees C 10 Paul 19 1 M úE °/16 GΕ 1/2 1/4 0 3/4 5/8 4.41 45.4 47. . 49.3 48.6 57.1 57.4 57.4 57.4 50.2 52.7 57.9 53.4 51.1 41.1 51.2 51.A 4 7. 7 44. 4-1 2 - 1 1.3 1. 7 51.0 51.1 51.1 51.1 51.3 51.4 52.0 52.0 51.3 • • • • 4 * * ; 51., 11.2 51.9 52.0 12.1 :. 4 51.5 . 1 . -51.4 52.2 52.4 52.4 52.6 53.1 · . : 1.4 52.1 ٠., 14.1 4 . t. 54.7 54.9 5.0 \$5.3 56.2 55.6 55.6 55.7 56.2 99.3 1 . . . . 10.0 of .6 od.9 75.4 79.2 60.3 54.9 50.4 60.4 56.2 59.5 63.7 . . . 50.1 . 19.1 11.1 59.6 56.3 59.7 62.8 56.9 • · . . . 100 to 1 61.3 59.3 54.5 . . 4 100 63.4 63.7 0 1 + 1 6 7 + 3 6 4 + 3 . 7. 3 0 1 . 3 0 7 . 3 0 # . 4 67.2 67.7 69.7 . . ., . . . 12. 61.7 63.0 £ 4 . 7 • • . . . . 56. + F. 4 T. 4 7. 5 94.0 • F7.6 59.8 68,4 57.7 57.1 41.9 69.7 69.2 68.6 69.8 55.05 69.1 • • • 1 . 1 71.6 73.6 71.4 71.9 71.9 12.1 12.2 72.0 73. + 74.1 71.7 71.1 71.1 ,., 75 . 2 76 . 4 76 . 4 75.7 77.6 77.6 1 ... 76 . 2 77 . 1 77 . 1 74 . 3 // · '
// · '
// · ' 70.6 77.4 77.4 15. 7 • • • • 16.5 75.0 77.. 1... 74 ... 24 . . . 24 . . ,,,,, 77.2 77.4 77.4 76.1 7e.1 1... 11.4 ... A 6. 3 79.7 ١., +1+6 6 1 . 7 47.9 93.7 41.C F1.6 2 · . 3 -1.1 #2.# 21.6 24.3 25.4 47.1 17.4 71.7 72.4 71.2 93.4 93.9 94.7 63.2 34.7 84.8 -3.7 43.1 93.9 F I A . . . , -4.6 H 4 . 4 -4.4 94.7 85.3 .,... 24., 9° • 4 4. . 14 .4 44.1 A6.5 96.3 97.6 46.4 A 7 . L - , , : ;;.; 7 ... 97.1 •7.1 97.7 90.1 91.1 93.7 -1.1 99.4 91.0 . . . 1 ٠.,, 33.5 ... 72. t --. 1 17.1 • • • 91.4 73.3 92.4 94.0 41.1 ... 93.6 10.4 94.6 ..... 19.1 75. 16.7 11.7 15.6 95.4 95.4 96.0 96.6 98.7 +4.7 ųγ. . 34.2 76.7 36.0 97.2 ٠.,

21.0

96.0

40.2

46.7

96.8

97.2 100.0

23.7

1 . 1 . 5

41.4

• • 1

GLOTAL CLIMATOLOGY BRANCH CLAFITAC AIR WLATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

PE910D OF PECORD: 77-85 STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB NJ HONTE: HOY HOURS (LST): 0300-0560 CTILING VISIPILITY IN STATUTE MILES VISIPILITY IN STATE

OF UF SE SF GE

3 2 1/2 2 1 1/2 1 1/4 3E 1 Ն<u>է</u> Ն 19 1 6E FEET 1 12 SL 5 **υ**Ε 4 51 GF 3/4 1/2 1/4 5/8 5/16 ser cuturity and 44.1 43.7 46.5 47.1 47.0 47.3 47.0 47.3 47.3 45.3 49.2 49.2 47. 3 50.1 50.1 00 101321 9.1 00 .01321 9.1 01 147331 9.1 46.A 45.5 49.3 46.0 40.7 49.5 49.7 47.9 47.9 49.9 49.5 44.3 47.7 47.2 49.7 49.9 47.1 47.2 49.7 44.5 46.6 47.9 49.4 49.0 44.3 49. 5 49.7 49.0 49.9 49.9 49.9 50.0 63.1 ۲).2 44.4 46.7 48.8 49.3 47.3 53.3 un 11701 d vrull an 2701 d 7 dil 57.7 a . 1 46.7 47.4 · 3.4 51.3 ٠1.6 51.7 52.2 52.2 52.7 52.4 42.8 52.8 · 5.1 52.6 9.1 49.6 53.0 54.3 52.0 52.3 55.3 52.3 55.3 57.a 55.4 52.4 55.4 5.5.6 52.9 53.2 40.8 51.4 52.2 53.2 35.6 55.6 49.4 54.1 16.4 45.6 -4.3 56.1 56.7 • 6 . 1 55.7 55.4 50.1 7-06 55.2 55.4 1531 45331 45331 45321 55331 r 7.2 63.2 €2.3 14.8 59.1 67.0 51.1 61.1 £1.4 61.0 61.7 61.7 61.7 5.7+6 C.7+5 01.1 52.5 65.3 67.6 62.4 65.2 64.3 69.1 65.2 67.4 77.9 63.9 54.7 54.7 65 + C 67 + 2 65.1 65.2 67.4 67.8 07.4 65. + n6.1 56.6 65.9 06.7 54.4 63.4 71.9 56.7 12.3 69.7 69.9 ..... 61. 67.1 67.4 49.6 70.1 73.3 10.3 11.7 12. 72.5 2 37) 2 371 12 71 73.5 * 5. 9 72.7 73.4 1.7 65.7 59.1 73.3 73.4 74.2 74.4 74.5 74.7 75.0 74.9 75.5 75.3 75.1 75.3 75.0 75.1 75.3 75.4 71.5 74.4 74.7 7 3 - 5 74.5 7:.7 77.1 78.0 75.2 7t . 6 77.3 73.2 75.7 17. 2 4 . 3 19.3 79.7 79.7 79.9 77.9 40.2 3.7 * *** 5 * 1. 5 * 1. 0 * 1. 7 * 70. * 67.3 51.7 81.1 82.0 83. 32.7 52.0 79.0 75.0 77.3 11.4 71.6 91.9 52.3 A 2 . 3 31.00 11.4 41.4 33.8 92.7 9 . a 92.8 93.8 42.9 43.9 e . . , 43.Z 42.3 13. . -1.4 75... #4.2 F4.9 13.3 95.7 04.4 F 7 . 1 - 3 - 1 43.7 9 4 4 7 64. 54 . f. 44.6 97.2 27.3 F 7 . 7 69.3 41.7 47.4 H7.3 97.5 99.7 F9. F 91.7 ٥٥.٥ 99.0 90.6 ۰۱., 4 .7 | 9.7 7 | 9.7 7 | 9.7 1... 77.5 *1.5 77.4 19.5 19.9 97.4 91.4 41.6 71.7 33.7 91.9 +1.7 41.9 91.9 92.4 93.1 95.9 93.7 93.9 94.4 67.6 92.1 97.1 74.7 15. 5 94.3 .4. 24.9 24.4 95.3 95.9 15.3 9.7 *1.4 77.4 44.7 35.1 75.9 41. . 26.6 15. 5 24.4 96.2 1 7.7 13.1 - · . L 93.0 21.0 17.1

TOTAL WHATE OF OUR RVATIONS: 37

GERRAL CLIMATOLOGY PRANCH GERLAGE SIR WATHER PLANTCENMEC

### PERCENTAGE EREQUENCY OF OCCURRENCE OF CELLING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

							]F{ 4FB					MONTH	NOV.		(LST): (		
CHI		• • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •			 HILITY				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
11	1 1	nt 1	5F 6	٠ :	uE u		2 1/2	5 ( 2	6° 1 1/2	Gf 1 1/4	GE 1	Ω{ 3/4	Gf 5/8	GE 1/2	6E 5/16	GE 1/4	GE G
	tili i		7 e 4	3.5 et	47	41.6	41.9	42.4	4244	42.6	42.8	43.7	43.0	43.3	43.3	43.6	43.7
			4	4 ?	44. • 7	47.	47.4	42.1	45.0 48.1	48.1	98.4 48.6	48.7 48.8	49.7	49.1	49.1	49.3	49.7
	ic i Mi Le lu II	6.0	4 . 9	43.4	44.45 45.46	47.1	47. b 47. b	48.1	40.1	43.2	48.6	40.0	48.8	49.2	49.2	49.4	49.8
	19. 40 1		41.1	43.7	46.3	47.3	47.0	48.	44.3	47.4	46.5	42.3	49.3	49.4	47.4	49.7	50.C
		7.	41.6	44.7	46.0	48.1	48.6	40.1	47.1	47.2	44.6	49.0	49.8	50.2	50.2	50.4	50.8
	111371	7.1	43.8	41.2	40.00	50.3	56.6	51.1	51.6	51.7	72.0	52.2	62.2	52.1	52.7	52.9	53.2
· · ·	4001	7.1	4 3 . 4	4 6 4	46.9	5 . 4	.(.9	51.4	51.7	51.5	52.1	50.7	52.3	52 • A	5.09	53.0	53.3
	ا بال	7.4	46.2	40.0	54.4	1 2 . 2	53.6	54.3	54.6	54.7	55.6	56.2	15.2	55.7	55.7	55.9	5 b • i
F	7	7.4	47. t	50.7		55.3	£ 1, , 4,	5€.4	56.7	> 6 ⋅ °	5.7 - 1	57.3	57.3	57.8	r 7 . 8	24.0	50.3
1,1	t 15.774	7.4	46.1	5: .:	5000	55.5	4.6.4	57.0	57.2	57.7	· 7 • 7	57.0	5.7.9	58.3	۴٩,3	56.6	50.9
. 1	ر د ي د ه	7.6	4 1	54.1	56.6	58.9	5,5.4	€n.n	14.2	66.3	10.7	67.0	60.9	61.4	61.4	61.7	62.3
1.1	41 21	7.8	1.6	56.4		61.3	61.5	67.4	62.7	62.P	63.1	67.4	63.4	64.0	£4.0	64.2	64.6
	41	m . *	15.1	50.5	6.1.6	64.6	64.6	65.2	65.4	65.6	65.9	66.7	66.6	66.8	56.3	67.0	€ 7 • 3
•	27 (14)	s . +	16.0	6 7	43.0	66.2	66.8	67.4	67.7	67.9	£8.1	60.4	€ ₩ • 4	69.0	69.0	67.7	64.6
t. "	3 51	r • f	T 6 . C	6.7 (0)	66.3	66.	69.7	70 • ?	77.6	17.7	71 • C	71.7	71.3	71.7	71.9	72.1	72.4
	25.1	<b>≟. €</b> .	4	64.5	6× . 7	71.4	72.2	12.9	73.1	73.~	73.6	71.0	73.9	74.4	74.4	74.7	75.3
	1		61.8	64.4	72.1	7 5 . 7	74.4	15.0	75.6	75.7	76 · 6	16. 1	76.3	74.9	76.9	77.1	77.4
	15 / 1	1.5	43.4	67.0	71.00	74.7	75.4	76.2	76 . €	16.7	77.0	17.3	77.3	77.9	77.9	79.1	76.4
	11 1	5.6	64.2	4 . 4	74.6	77.1	76.J	79.8	7 2 . 2	19.3	79.7	37.0	F7.3	80.6	90.E	80.8	P1 • 1
,	17 1	4.1	6.4.5	7	" • ‹	75.7	74.7	6 (	41.5	51.1	P1.4	61.º	91.6	62.3	F.7.3	67.6	92.9
	3 27	(		11.7	16.0	e1.1	.1.3	42.2	87.7	62.8	63.2	8, T . F.	A 3 . 6	44.1	F4 . 1	84.3	84.7
	1	e , 1	11.5	12	10.00	1 ".6	11.4	8.2.3	43. 6	43.3	93.8	A4 - 1	+4,;	84.7	A4.7	84.9	F 5 • 2
		6.0	(7.:	7	77.00	11.4	12 . F	9 ? • 7	54"	04.3	0 tj . ij	3 5 • 1	p 5 • 1	95.7	A 5 . 7	85.9	F 6 . 2
. !	7 1	9.6	7.	17.7	11.00	F 7.1	P 5. 6	હંધ . ધ	85.1	o 5 - 2	95.7	66.1	n6 • 1	46.8	₽6 • ħ	a ? • 3	67.3
			6 7.3	7 : •	*** • 3	0.305	11.3	86.2	R7.3	57.4	P F . U	H 4	89.4	49.1	9.1	69.3	R9.7
	100		4 2. 5	7 * + 1	70.1	r4. ?	15.5	57.	90.6	61.7	54.2	40.7	89.7	20.1	95.3	90.6	90.9
	4 1		11.6	7 . 4	74.	14.7	s t . 1	68.3	43,9	y `	91.0	91.5	91.6	42.2	7	92.4	97.8
-	1	۰.	. 7.6	7 1 . 4	1.	p. T . 4	7. 6	83.3	91.4	1	92.9	34.0	0.2 * 5	94.4	94.4	94.7	95.0
. 1	" I		17.6	75.4	***	F1 . 7	+1. p	87.7	9: • 9	90.4€	93.3	94.4	94.7	95.8	96.1	76.B	97.1
	11	• •	17.1	7 7 . 4	71.3	e* • 1	£ 7. 4	80.0	7.1	, , ,	93.7	94.7	32.0	96.1	96.6	97.4	98.8
+ 1	1	4.6	17.6	7 7 .4	•9•1	7	- 7. 7	67.9	27.1	42.4	43.7	94.9	95.0	96.1	36.6	97.4	100.0

GERBAL CLIMATCLOGY FRANCH GSAFETAC AIR WEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY COSEPVATIONS

5 TATION NUMBER: 724796	STATION NAME: MCGUIRE	AFB NJ	PEPIOD OF RECOR	D: 77
			MUNIH: NOA	HOURS
	•••••	• • • • • • • • • • • • • • • • • • • •		• • • • •

STATION NUMBER: 724796 STATION NAME: MODULER AFB NU									PERIOD OF RECORD: 77-85 MONTH: NOV HOURS(EST): 3903-1100						
C4 IL I'vo	• • • • • •	• • • • • • •	• • • • • •	••••			FILITY				• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••
14   64	üί	68	6E	ηŁ	GE	6 F	GE	5E	GE	. s	GE	GŁ	6f	SE	6E
FEET 1 120	٠. د	5	4	: ``				1 1/4	1	3/4	5/8	1/2	5/16	1/4	C C
								• • • • • • •				• • • • • • •	• • • • • • •		
NU CLIL 1 6.6	76.8	38.1	31.3	47.3	40.1	47.4	43.6	43.6	40.7	47.7	40.7	40.9	40.8	40.9	45.9
ur :: "U0] 7.6	42.7	44.	45.6	46.6	46.7	47.7	47.1	47.1	47.2	47.2	47.2	47.3	47.3	47.4	47.6
7.6	43.3	44.7	46.2	47.2	47.3	47.7	47.8	47.8	47.9	47.3	47.9	48.0	48.3	48.1	46.2
5.5 10 Jul 7.6	45.3	44.7	40.2	47.2	47.3	47.7	47.8	47.8	47.9	47.9	47.9	49.3	46.3	48.1	48.2
JF 14 501 7.6	4 3. 4	44.6	46.3	47.3	47.4	47.8	47.9	47.0	49.0	49.7	48.0	48.1	48.1	48.2	48.3
12 12 12 7.6	43.9	45.2	46.7	47.9	48.0	49.7	44.4	48.4	48.6	49.6	48.6	49.7	48.7	48.8	48.9
3 17 911 7.7	45.0	46.6	4P .4	47.0	56.0	57.3	5.1.6	53.6	50.7	54.7	50.7	57.8	50.8	50.9	51.0
47571 7.7	45.6	47.3	41.2	50.7	50. B	51.1	51.3	51.1	51.4	51.4	51.4	51.6	51.6	51.7	51.8
3 6 201 4.1	46.6	5.2.3	3	53.4	14.0	54.4	54.7	54.7	54.8	54.9	54.9	55.7	55.0	55.1	55.2
.,€ ?ruS  4 <b>.1</b>	57.4	52.3	6.4 . 4	56.4	56.5	57.3	57.6	57.6	57.7	57.4	57.8	57.9	57.9	59.0	58.1
* 6" "   9.1	51.4	57.4	55 • 6	57.6	57.9	53.4	53.7	38.7	5.8 . F	59.9	53.9	59.0	59.0	59.1	59.2
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	53.8	35.0	53.2	67.4	€ ; • 9	61.6	61.8	61.8	62.0	67.1	62.1	62.2	62.2	62.3	62.4
21 41 3] ₹ <b>.</b> ₽	95.6	57.7	61.4	64.1	54.6	65	65.4	65.4	55.7	65.2	65.8	65.9	65.9	66.D	66.1
- √5 H J01 9•1	· +• 1	5 1 · ·	04.3	07.3	67.5	68.6	6 5 . 6	68.8	69.0	69.1	69.1	69.2	69.2	69.3	69.4
31 11 3.6	0.3	55.7	63.3	77.1	71.3	72.7	72.4	12.4	72.7	7.7.8	72.8	72.9	72.9	73.0	73.1
July 30 10 1 2.7	44.1	57.4	71 - 1	74 • i	74.6	75.4	75.7	75.7	75.9	76.7	76.0	76 • 1	76 • 1	76.2	76.3
or 25 H 1 4 m	$\epsilon$ . 1	60.7	73.1	16.2	16.7	77.5	77.8	77.3	78.5	79.1	78.1	79.2	78.2	79.3	78.4
10.7	3	77.1	73.9	77.1	11.6	79.4	73.7	18.7	78.9	79.3	79.3	77.1	79.1	79.2	79.3
1-11	1.7.3	71.1	74.7	73.1	70.6	77.4	77.7	73.7	79.9	87.7	F D • U	HD.1	9J.1	83.2	£ U • 3
10.00		72.,	71.2	87.4	-1.5	81.7	52.1	22.1	92.4	3 . 5	32.6	62.7	A2.7	82.8	82.9
10.1 10.0	49.3	73.7	71.7	61.	42.4	53.3	93.6	03.6	93.9	84.7	94.3	94.1	94.1	84.2	84.3
			. , • •			3	, ,, ,	0.7.0		• •	. • •	,	7	3.4.2	0443
A 1131 17.7	27.3	74.7	17.7	e 5 • 1	94.5	54.7	95.1	25.1	95.4	55.6	95.6	85.7	F5.7	85.8	85.9
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 1	15.2	01.3	64.2	5	85.7	35.5	06.6	R6.9	87.7	87.3	87.1	97.1	87.2	87.3
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 : 1	75.5	51.1	a5.3	86.4	87.6	97.9	07.7	P8.3	34.4	64.4	83.6	P 8 • 6	88.7	8.89
7.71 17.7	* 1	16.1	11.9	45.4	48.3	89.6	9.1.1	90.1	93.6	97.7	93.7	97.4	8.60	97.9	91.0
( - TI 17.5	11.2	76.9	82.5	8 R	AC. 7	91.1	71.9	92.7	92.4	92.6	92.6	92.8	92.8	92.9	93.0
1986 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981	74.3	77.1	42.0	e 3 . 1	46.4	92.6	વક. સ	43.9	74.4	94.5	94.6	34.9	95.1	95.2	95.3
1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	3	77.1	23.1	07.4	72.1	94.2	25.7	96.7	96.9	97.1	97.1	97.4	97.7	97.8	97.9
7.171.1340	11.3	17.1	A 3 . 4	n 0 • 4	92.1	94.2	75.1	76.6	27.6	90.1	99.2	98.6	98.9	99.0	99.1
7.   17.0	71.3	77.1	25.1	87.4	92.1	94.4	40.3	16.8	27.4	99.4	99.6	99.0	20.3	59.4	99.6
· * * : : : : : : : : : : : : : : : : :	7.4.5	17.1	95.1	49.4	92.1	74.4	75.5	16 . R	27.5	94.4	39.6	93.3	79.4	99.6	99.8
1 1 1 2 7	71.3	77.1	55.1	47.4	₹1.1 ••••••	,4.4	76.5	76.1	?7.⊦ 	9 4 4	79.6	99.0	99.4	99.6	100.0

FITTE NUMBER OF 0/3"RVATIONS: 733

STATE TAC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

AIR ACATHER SERVICE/MAC PER100 OF RECURD: 77-86 STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NU MONTH: NOV FOURS(LST): 1200-1400 CSILING VISIBILITY IN STATUTE MILES 915181C1 ( 28 3) 6E GE GE 2 1 1/2 1 1/4 IN | GE GE ∪E =/16 1 3/4 5/8 1/2 1/4 Ü NO CLIL | R.I. 37.3 38.0 19.2 37.7 19.9 37.9 39.9 39.9 79.4 30.9 79.9 19.2 79.9 39.9 19.9 WE BOOMED OF SET 3.8 44.6 46.7 47.5 49.2 43.2 44.2 49.2 48.2 48.2 48.2 43.2 57 18232| 0.8 .0 16703| 9.8 .0 14723| 9.8 45.0 45.0 45.4 48.4 48.4 49.4 49.4 48.4 43.4 48.4 49.4 48.4 46.4 41.0 46.4 48.4 4 5 . 4 47.4 46.4 48.4 48.4 48.4 45.0 46.4 47.6 45.7 4c. 7 48.7 48.7 49.7 4R.7 42.7 48.7 48.7 48.7 44.7 48.7 49.3 50.9 51.9 40 100001 10:1 43.0 47.6 51.9 51.9 51.9 51.9 51.9 51.9 51.9 51.9 51.9 51.9 51.9 9 mel 10:1 8 ment 10:3 7 ment 10:3 7 ment 10:3 . . 48.7 53.6 50.2 53.8 51.5 52+6 52.6 55.3 57.6 52.6 55.3 52.6 £2.6 57.€ 55.3 52.6 52.6 52.6 52.6 52.6 55.3 u f 94.5 55.3 57.6 57.6 58.2 57.6 57.6 £7.6 57.6 53.2 55.4 58 . 2 54.2 58.2 58.2 58.2 58.2 58.2 F8.2 59.2 un Prog| 10.4 th 45 ml 11.1 Un 4, mn | 12.2 th 3500 | 12.6 50.6 59.2 54.6 59.4 5.2 - 4 59.4 59.4 59.4 52.7 54.3 50.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4 62 • 7 68 • 9 73 • 4 16.9 £2.0 £7.9 13.1 67.7 62.7 61.4 67.5 62.7 62.7 62.7 F2.7 62.7 62.7 61.5 72.1 68.3 73.4 60.0 66.3 68.C 68 • G 68.5 68.0 68.0 69.3 73.3 73.4 77.9 73.4 73.4 77.4 73.4 73.4 75.4 37101 13.0 73.1 07 up 1 12.2 07 up 1 13.6 15 m 1 13.6 15 up 1 17.6 17 up 1 17.6 71.3 77.7 77.1 79.2 67.2 81.4 8. . 6 8. . 8 #7.0 64.2 82.6 84.8 82.9 85.1 82.9 85.1 02.9 05.1 82.9 85.1 85.9 85.1 82.9 85.1 82.9 82.9 85.1 62.9 85.1 82.9 85.1 : 1 15.5 67.1 89.0 87 . C 67.n 87.5 F 7.1 97.1 87.1 P7.1 87.1 P 7 . 1 77.1 AP.1 66.3 87.4 88.1 F8 . L 6 R . 1 88.1 ٩8.1 88.1 98 - 1 10.01 17.6 9.01 13.6 0.01 13.6 62.3 87.4 87.9 89.6 °L.1 71.4 77.6 1.3.6 47.4 97.6 90.6 90.60 97.6 . I. 90.3 v0.4 95.4 90.6 90.6 91.6 71.9 76.2 60.4 57.1 87.2 91.0 92.2 97.5 41.4 92.7 93.4 91.4 92.7 93.4 91.4 91.6 92.9 97.6 \$1.6 41.6 91.6 01.6 ιr 92.8 93.6 94.9 92.R 92.5 92.8 730 | 17.6 6.01 | 13.6 93-6 95.6 93.6 1, 1 76.7 83.3 67.6 90.5 92. 7 93.1 04.7 95.0 5 301 13.6 4005 13.6 7404 17.6 1401 17.6 87.3 62.7 83.7 83.3 93.4 92.6 93.8 94.8 95.7 95.7 78.7 €7.t 91.4 95.7 ,5.0 96.1 96.2 96.3 96.4 96.4 96.4 ; r ; r 78.7 91.4 51.6 91.L 41.F 27.9 99.1 99.2 98.3 99.2 99.9 ,7.3 98.1 77.9 96.8 98.2 98.3 98.3 Fiet 98.3 76.7 76.7 F7.7 99.2 £7.7 51.6 48.2 99.A 43.8 20.5 99.3 94.8 99.A 98.2 99.5 99.3 190.0 100.0 100.0 100.0 67.1 95.7 79.0 99.3 99.4 133.2 100.0 100.0 100.0 73. F 97.9 99.7

TOTAL NUMBER OF OBSERVATIONS: SUC

CLITERE CLIMATCLOGY RHANCH G'AFETAC AIR MEATHER SERVICE/MAC

#### PERCENTAGE FREGUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724296 STALL & NAME: MCGUIRE AFB NU PEPIND OF RECORD: 77-86 MONTH: NOV HOUPS(LITT: 1500-1700 CEILING VISIBILITY IN STATUTE MILES 40 CE1L | 9.4 40.4 40.0 41.0 41.3 41. 7 41.4 41.4 41.4 41.4 41.4 41.4 41.4 41.4 41.4 ur paner! 11.4 49.L 51.0 49.9 56.6 11.6 51.1 51.1 51,1 51.1 51.1 • 1 • 1 51.1 51.1 51.1 51.1 UE 187611 11.4 UE 167001 11.4 UE 147601 11.4 49.9 50.6 50.6 50.7 51.3 51.6 51.1 51 · 1 -1 · 1 51.1 51.1 51.1 51. ( 51•1 51•1 51.1 51.1 51.1 51.1 51.1 51.1 51.1 c1 - 1 49.9 F1.0 49.0 51.1 51.1 °1 • 1 -1.1 57.0 57.7 49.1 51.2 51.1 51.1 51.2 51.2 51.2 51.7 51.2 51.2 51.2 51.2 51.2 OF 127001 11.4 49.8 11.5 51.8 51.9 55.2 56.3 58.8 () 1000() 11.8 () 9 () 11.8 () 8 () 17.0 55.2 56.3 58.8 r 2 • 3 53.t 54.4 55.0 55.2 55 • 2 56 • 3 58 • 8 55.2 55.2 55.2 53.L 54.E 55.4 57.7 56.4 56 • 3 5 ? • 7 54.E 56.4 56 • 1 58 • 4 50.3 58.7 56.3 56.3 56.3 56.3 54.8 56.3 58.8 7 00 12.1 6 01 12.1 56.7 50.6 59.5 60.7 6C. 7 60.9 60.9 61.0 61.0 61.3 61.0 61.3 61.0 56.9 60.2 61.0 61.0 61.2 61.2 01.3 11.3 61.3 61.3 61.3 61.3 07 07 07 12.7 07 45 41 12.9 05 41211 17.7 50.9 62.3 62.2 €3.3 57.6 63.6 €3.6 63.7 63.7 63.7 €3.7 63.7 63.7 63.7 6.3.7 (5.7 69.4 74.7 (2.0 57.8 66.8 7°.6 74.9 67.1 70.9 67.2 67.2 71.J 67.2 67.2 66.4 76.7 67.1 67.2 67.2 71.0 67.2 71.0 67.2 70.9 71.5 71.0 35 00 14.1 3.00 15.5 69.7 75.3 75.4 75.4 76.7 62.6 74.2 79.9 AL. 2 87.4 -0.4 80.6 80.6 24 .01 15.2 75.6 78.0 BC . 9 12.2 F2.7 83.0 03.C 83.1 P3.1 P 3 • 1 ь3**.**1 93.1 83.1 F 3 - 1 1,003 1542 4707 | 1542 4600 | 1542 1500 | 1542 ( r 77.1 77.8 65.2 96.0 85.2 53.0 k3.6 84.3 85.1 54.8 95.6 85.1 85.9 50.2 85.1 85.9 85 + 2 96 + 7 65.2 86.0 85 • 2 86 • 3 ₽5.2 ₽6.0 65.2 86.0 85.2 86.3 81.. 86.0 76.6 F5 . 7 87.2 67. € 88.3 82.0 88.3 84.4 FP . 4 5 P . II P H . 4 89.4 98.4 89.4 88.4 5 2 . 3 89.4 09.6 89.6 89.6 19.6 89.6 09.6 69.6 A 4 . 6 17% | 15%2 5151 | 15%2 5154 | 15%2 79.9 87.4 F4.6 90.1 90.0 +0.3 20.3 90.3 93.3 90.3 90.3 90.3 i. r 91.3 91.9 92.8 79,9 79,9 53.7 93.P 87.7 F7.9 89.7 96.3 90.9 91.. 91.F 91.4 91.4 91.4 91.4 91.4 91.4 91.4 92.E 92.4 92.5 92.0 11 15.2 64.2 ++ .4 90.6 01.4 92.5 92.7 92.9 60.2 10.6 91.5 41.9 92.9 93.6 93.7 23.9 47.9 43.4 93.9 93.9 93.9 93.9 1 11.2 41.2 64.6 94.7 75.7 F4 ... 91.8 92.7 73.1 49.4 96.2 96.3 96.3 96.3 96.3 96.3 96.3 4UCT 15.2 40.3 80.3 84.7 84.7 69.2 69.3 92.1 92.3 92.3 95.0 96.7 76.9 47.8 97.7 97.8 97.8 97.4 97.8 97.8 97.8 45.6 55.6 43.4 97.4 9,90 99.4 99.4 99.4 99.4 €4.7 F5 . 3 99.6 99.7 73.4 97.4 49.7 99.7 99.7 F ( .. : 64.7 Uf 11.2 60.3 84.7 F9.3 42.3 95.4 45.6 97.4 90.6 99.7 100.0 100.0 47.5 08.5 49.7

TOTAL NUMBER OF OFSERVATIONS: 920

SESTAL CLIMATCLOGY BRANCH STAFFTAC ATP WHATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCUPPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATICH NUMBER: 724096 STATION NAME: MCGUIRE AFP NJ PEPIND OF RECORD: 77-86 MONTH: NOV HOURS (LST1: 1807-2360 CFILING VISIBILITY IN STATUTE MILES UE U.F IN I GE FEET I IN 6E 4 CE 6 E 6E 6F 3 2 1/2 GE 65 6E 6E 7 1 1/4 G E GE UF. 5/8 1/2 1/4 NO CETE 1 4.: 42.7 42.9 43.9 44.3 44.3 44.3 44.4 40.4 44.4 44.4 44.4 57.9 or accest in a 50.3 61.9 52.3 52.3 52.3 52.4 52.4 52.4 52.4 52.4 52.4 52.4 52.4 52.4 52.4 52.4 52.7 un icon) in.m 59.3 59.3 50.5 57.9 51.9 51.9 52.3 52.3 52.3 52.3 52.3 52.4 52.4 52.4 52.4 F2.4 52.4 52.4 52.4 52.4 52.4 52.4 52.4 52.4 52.4 52.4 GE 197021 10.1 GE 120021 13.1 5, 3. 4 51.1 57.6 52.6 52.6 52.7 52.7 52.7 52.7 52.7 43.7 52.7 5 7 . 4 53.6 53.6 53.6 53.6 31.5 52.4 53.3 53.4 53.4 5 ; . 6 53.6 53.6 53.6 53.6 GC 100001 11.4 54.0 56:7 56.B 56.0 54.8 56.6 56.8 56.8 56.8 6.8 56.8 56.6 56.8 56.8 56 . 1 9703 12.4 6 70 11.7 7 20 11.6 55.9 58.0 62.0 55.9 02.2 5°.0 58.0 58.0 62.0 58.0 67.0 57 - 1 57.7 57.7 57.9 58.0 58.0 r4.7 58.1 61.6 62.6 62.7 61.9 62.3 62.0 62.0 62.9 63.3 or E 64.0 6 471 11.0 97.6 51.2 62.3 63.6 63.7 63.9 64.3 64.0 64.0 64.0 64.0 64.D 64.0 64.J 5 U31 11.2 45 C01 11.8 4 J01 11.9 35 U01 12.8 77 J01 13.2 51.3 62.7 64 . 6 65.4 65.6 65.8 65.9 05.3 65.9 65.0 65.9 65.9 65.9 65.9 77.0 69.9 70.0 70.0 71.1 69.6 17.7 69.7 70.8 7.1.0 10.0 70.0 70.0 73.3 70.0 71.1 65.3 67.0 63.7 71.1 7°.3 66.4 68.1 67.8 71.0 71.1 71 - 1 71.1 71.1 71.1 '. F 73.3 72 •1 75 •7 74.3 74.3 75.0 75.2 75.3 75.3 75.3 75.3 75.3 75.3 15.3 75.3 27 031 13.0 27 031 17.2 46 01 15.2 17 001 13.2 , r 85.J 81.4 91.6 81.9 91.9 61.9 P1.5 51.9 A1.9 61.9 91.4 81.9 83.6 76.8 19.1 91.5 62.9 93.0 83.2 83.2 83.4 93.3 63.3 63.6 83.3 F3.6 63.3 83.3 93.3 93.6 83.3 70.2 R3 - 6 83.6 83.6 61.3 52.2 18.6 e6.1 56.3 86.5 36.9 86.7 06.9 66.3 86.9 66.9 A6.9 86.9 86.9 68.0 86.1 09.1 A8.1 68.1 9.4 25.3 c. 7 . . 97.6 63.1 a4 . 1 58.1 88.1 17031 1742 7001 1342 6071 1742 7071 1742 82.6 82.6 19.7 56.1 80.2 99.1 89.1 89.1 49.1 27.1 89.1 89.1 88.3 FR. 4 BR.9 A9. 1 59.1 89.7 73.6 92.2 98.9 80.4 69.7 99.7 B 9 . 7 89.7 99.7 £ 9 . 7 89.3 . ! 17.9 87.3 89. . 99.6 76.9 1.1.6 90.6 97.6 93.6 93.6 90.6 90.6 90.6 12.1 91.8 92.2 97.2 92.2 92.2 92.2 92.2 63.3 911.3 72.2 a7.3 91.3 92.6 23.2 93.2 93.2 93.2 93.2 93.2 1 304 13.2 4 2 [ 13.2 7 2 ] 13.2 3.3 93.7 67.7 91.7 92.2 74.7 94.7 94.7 94.9 94.9 94.9 94.9 94.9 94.9 93.2 96.2 98.3 96.2 88.2 56.4 92.6 92.8 95.6 96.0 97.2 96.0 98.0 96 • 2 98 • 3 96.2 96.2 84.3 94.8 96.2 41.6 84.0 95.3 98.3 99.3 93.2 101 17.2 101 13.2 90.7 99.7 -7.6 84.5 53.9 96.2 17.7 17.7 98.7 97.4 99.4 97.6 29.0 99.7 3 7.0 90.4 100.0 84 ... 97.7 78.7 99.4 93.3 93.9 96.7 47.9 PI 13.2 " J. 6 84. 40.7 23.2 73.4 96.7 97.7 90.4 99.4 99.7 99.7 100.0 100.0 97.9 98.7

TOTAL NUMBER OF ORSERVATIONS: 900

GENEAL CLIMATOLOGY BRANCH DSAFLIAC AIR WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER:									•	MONTH	: 110 V		(LST):		
CFILING	• • • • • •	• • • • • • •	•••••	• • • • • • •	•••••		FILITY					• • • • • • •		• • • • • • •	••••••
IN 1 CE FEET 1 10	SE 6	65 5	υΕ 4	σε 3	UT 2 1/2	GE 2	55 1 17 2	GE 1 1/4	GE 1	GL 7/4	G f 5 / d	GE 1/2	GE 5/16	GE 1/4	GE O
NO CEIL   9.3	44.4	45.6	46.2	45.9	47.2	47.4	47.4	47.4	47.4	47.7	47.7	47.7	47.7	64.7	47.8
UF 23700  9.9 UF 14733  9.9 UE 16703  9.9 UE 14707  17.2	49.1 49.1 49.2 47.8	50.6 50.6 50.7 51.2	51.6 51.7 52.2	52.2 52.3 52.4	52.6 52.6 52.7 53.2	52.9 52.9 52.4	52.6 52.8 52.9 53.4	52.8 52.8 52.9 53.4	52.8 52.8 52.9 53.4	57.7 57.7 53.1 57.7	53.0 53.1 53.1	53.0 53.0 53.1 53.7	53.0 53.1 53.7	53.0 57.0 53.1 53.7	53.1 53.1 52.2 43.4
GF 13/001 13.2	5.3.4	51.7	52.9	5 7 . 6	53.9	54 • 1	54+1	54.1	54.1	54.3	54.3	54.3	54.3	54.3	4 . 4
US 10000  10.3 05 9 US  13.7 05 6 27  12.9 06 7000  10.9 05 6000  10.9	53.3 64.0 57.8 68.4 59.1	54.4 55.6 59.4 57.2 67.9	55.3 56.7 60.6 01.3 62.3	56.4 57.2 61.3 62.1 62.8	£6.8 £7.7 61.7 £2.4 63.1	57.3 57.9 61.9 62.7 63.3	57.3 57.9 61.9 62.7 63.3	57.9 57.9 61.9 62.7 63.3	57.0 57.9 61.9 62.7 63.3	57.2 58.1 62.1 62.9 67.6	57.2 58.1 62.1 62.9 63.6	57.2 58.1 62.1 62.9 63.6	57.2 58.1 62.1 62.9 63.6	57.2 58.1 62.1 62.9 63.6	57.3 56.2 62.2 63.0 63.7
08 5 0 1 11.0 06 45 71 11.2 06 47 71 11.3 07 31 07 12.1 08 5 07 00 12.7	61.6 65.1 65.8 69.1 70.8	53+6 67+5 57+7 71+0 72+9	64.7 68.1 68.8 72.1 74.1	69.9 69.7 73.1 75.1	65.8 69.2 76.3 73.4 75.6	66 • 1 67 • 6 70 • 3 73 • 9	66.1 67.6 70.3 73.8 75.9	66.1 67.6 73.3 73.9 76.7	66.1 69.6 70.3 73.9 76.0	66.3 69.8 70.6 74.1 76.2	60.3 69.8 79.6 74.1 76.2	56.3 69.8 73.6 74.1 76.2	66.3 69.6 70.6 74.1 76.2	69.8 70.6 74.1 76.2	66.4 69.9 70.7 74.2 76.3
00 25001 12.3 55 2 31 12.3 65 15.01 12.5 65 15.01 12.5 67 15.01 12.3 67 1.404 12.5	72.2 73.6 73.9 75.1 75.4	74.9 76.2 76.7 78.6 79.7	76.1 77.4 77.9 EL.6 86.4	77.2 78.7 79.1 61.4 82.0	77.7 79.1 79.6 PZ.0	78.0 77.6 80.0 82.4 83.0	75.0 79.6 83.0 82.4 83.1	79.1 79.7 60.1 62.6 83.2	78.1 79.7 90.1 92.7 83.3	78.7 79.9 80.3 80.9 87.6	79.3 79.9 #J.3 82.9 #3.6	78.3 79.9 60.3 42.9 83.6	78.3 79.9 PG.3 82.9 P3.6	78.3 79.9 60.3 82.9 83.6	78.4 86.0 80.4 83.0 83.7
04 27.70 10.7 05 50.71 12.7 05 60.71 10.3 11 70.0 12.3 05 6 01 10.3	76.6 76.7 77.1 77.2 77.2	87.7 81.3 81.8 01.3	82.3 F2.4 83.6 84.3 84.3	84.4 85.7 86.7 87.0	F4. 8 F5. 1 86. 6 F7. 6 P7. 9	65.3 65.7 87.1 88.1 88.4	95.4 85.9 87.1 PH.1 PB.9	85.6 66.0 57.4 88.6 99.1	P5.7 96.1 87.6 86.7 P9.4	85.9 85.3 87.8 89.9	P5.9 86.3 F7.6 P8.9 F9.7	85.9 86.3 87.8 88.9 89.7	P5.9 P6.3 P7.8 P8.9 P8.7	85.9 86.3 67.8 88.9 89.7	86.4 86.4 87.9 89.0 89.8
6F 7 0H 12-3 H 96 2H 12-3 6F 7CH 12-3 H 7 0H 12-3 H 7 0H 12-3 M 12-7	77.4 17.7 77.7 77.7 77.7	82.1 62.7 82.7 62.7 62.7	P4.0 65.2 65.3 65.3 65.3	67.6 68.4 68.6 68.6 68.6	60° 4 60° 4 60° 4 60° 4	90.7 91.7 93.1 93.1 93.6	91.0 97.6 94.6 95.2 95.6	91.2 93.1 95.7 95.9 96.7	91.6 93.4 95.7 96.6 97.1	91.8 91.7 95.9 97.2 97.8	91.8 93.7 95.9 97.2 97.8	91.8 93.8 96.0 97.4 98.1	91.8 93.8 96.0 97.4 98.2	91.9 93.9 96.3 98.2 99.0	92.3 94.0 96.6 98.4 99.6
0.5 21 17.7	7.7	e 2 . 7	F5.3	FP.8	95.4	93.6	75.6	96+3	97+1	97.8	97.8	98.1	98.2	99.0	100.0

TOTAL NUMBER OF OPSERVATIONS: OLC

GENERAL CLIMATULUGY ERANCH L'AFLITAC AIR REATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSES VISIBILITY FROM HOURLY OBSERVATIONS

PERLOD OF RECORD: 77-86 CIATION NUMBER: 724896 STATION NAME: MCGUIRE AFB NJ MCNTH: NOV HOURSILSTI: . . . . . . . . . . . . . ...... CFILING VISIPILITY IN STATUTE MILES 1% | 6E FEET | 11 GE GE GE 2 1 1/4 CF 4 65 GΕ (»Ł GE G E. Gέ GE GŁ G€ 3 2 1/2 10 3/4 1/2 </16 1/4 0 . . . . . . . . . . . . . . . . NO CETE 1 9.1 40.6 41.7 42.7 43.7 43.5 43.4 43.5 43.8 44.C 44.1 44.1 44.1 44.1 44.2 50.1 50.1 50.3 or parant 49.9 50.0 50.2 47.4 49.4 49.6 49.8 49.7 50.1 50.2 9.1 46.1 48.6 50.3 56.5 Un 16/10| Un 16/10| Un 16/10| 9 . 1 47.6 49.6 50.0 50.0 50.3 50.1 50.1 50.4 50.2 50.2 52.5 50.7 46.2 48.7 44.8 5 U • 1 50.3 50.4 50.4 47.6 9.1 46.2 46.6 47.6 44.8 55.1 50.3 50.4 ¢.G.4 50.5 50.7 50.6 51.2 0.2 46.4 47.9 50.3 50.7 50.0 50.5 59.7 49.9 50.6 50.9 47.6 48.4 49.6 56.7 51.4 51.6 50.9 6F 107601 6F 91601 97 8 901 65 7,601 6F 6001 9.7 49.4 50.9 52.2 53.2 4.3.4 53.6 53.8 53.9 53.9 54.7 54.0 54.1 < 4 - 1 54.2 C4.3 54.€ 9.3 9.7 52.9 53.9 54.3 54.5 54.8 58.7 c4.8 55.0 49.9 51.6 54.1 54.5 54.7 54.9 57.0 57.2 57.5 57.7 57.E 57.9 57.9 56.0 54.5 58.2 9.7 5420 58.9 59.7 56. 47.4 58.7 50.2 59.3 59.3 59.5 50.6 59.6 59.7 59.7 59.7 59.9 60.1 60.3 63.4 60.5 60.5 6C.7 60.5 ٠Ē 51611 0.0 56.9 59.1 60.7 62.3 62.2 62.5 62.7 02.7 42.9 63.7 63.C 63.1 63.1 63.3 63.1 #FI 7 12.7 #FE 7 12.7 #FE 7 11.1 FE 7 1 11.1 66.5 UF r 0 0 62.3 64.1 65.4 65.7 66.[ 66.2 69.9 66.3 66.5 66.6 66.6 66.6 66.8 62.2 65.3 60.5 76.0 68.2 71.6 69.0 64.6 66.3 64.6 68.7 68.9 69.2 69.4 71.5 72.2 72.8 68.0 72.6 67.8 73.00 75.6 76.1 76.2 76.3 2000 11.0 €9.3 77.5 75.0 76.8 77.3 77.7 77.8 77.9 78.1 70.2 79.2 78.3 78.3 78.5 15.00 | 11.6 15.00 | 11.6 15.00 | 11.6 1200 | 11.6 70.8 87.6 87.2 70.5 71.1 72.5 73.3 79.3 62.1 82.6 78.5 79.2 81.5 62.7 79.5 PJ. 0 60.0 76.5 78. 4 19.5 79.7 79.8 80.0 P 0 . 2 , ε 74.5 77 . 2 75.6 33.2 00.3 90.5 AU . 6 87.7 AJ.7 80.B 80.9 76.2 14 F 82.8 84.1 83.2 03.3 79.3 92.0 82. P 93.C 83.3 83.3 63.5 34.6 1700) 11.0 9.71 11.6 8.00 11.6 86.2 £1.5 74.4 74.7 76.0 79.1 82.5 92.6 84.5 85.7 86.3 66.7 67.7 87.1 88.1 87.1 08.1 97.2 88.2 97.2 88.2 87.3 88.3 ų. 95.7 36.7 96.5 87.4 98.0 88.5 56.6 87.0 7501 11.6 6521 11.5 74.9 F3.6 97.9 90.4 89.5 91.1 89.6 91.1 70.5 89. 7 99.5 89.7 27. 3 93.4 91.3 £7.5 18.7 c 111 11.6 75.2 80.0 92.9 93.1 93.2 93.4 64 . 1 69.5 92.4 22.7 92.9 93.2 84.5 92.2 91.3 4 1 11.6 700 11.6 7.7 11.6 7.7 11.6 75.4 75.4 5".3 d".3 56.8 51.3 94.7 95.j 96.7 92.5 93. A 94.8 95.0 95.1 t, E 14.5 69.1 94.5 94.8 95.3 96.5 97.1 į . F4 . E 49.5 06.1 96.5 76.0 96.9 60.3 A4 . 7 69.6 91.4 93.6 95.4 96.7 97.8 98.1 09.0 ι. Γ 75.4 80.4 14.7 93.7 35.5 96.7 26.5 97.5 57.6 99.7 08.2 98.6 99.4 1 11.6 1 6 75.4 86.4 84.7 89.6 91.5 93.7 74.9 96.0 9.60 97.5 37.6 98.0 98.2 98.6 100.0

LOTAL NUMBER OF ORSTRUATIONS: 72,3

CUSTAL CLIMATOLOGY BRANCH GRAFETAC AIR WEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSEPVATIONS

STATION NUMBER: 724096 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 77-86 MONTH: DEC HOURS(LST): 0000-0200 VISIPILITY IN STATUTE MILES CEILING 6f 6E 6E 4/2 GE GE GE 2 1 1/2 1 1/4 i'a | FLLT | (L £ 1 1/4 5/8 1/2 5/16 1/4 C MO CETE 1 3.2 46.7 49.1 48.2 48.2 46. ] 47.5 47.6 48.5 48.5 48.6 48.6 46.6 5.°.¤ 52.B or general 9.6 . 0.3 51.2 5... 51.8 -1.5 57.4 52.5 52.5 52.7 52.8 52.9 52.9 52.9 65 181021 65 168621 65 14107 65 121001 52.4 52.4 52.4 52.5 52.5 52.5 52.5 52.5 52.5 52.5 52.7 52.7 52.7 F 0 - 3 5 U - 3 57.2 52.8 52.8 52.8 52.9 41.5 51.0 51.9 52.9 52.9 t.t 51.2 51.8 51.8 51.8 \$1.9 51.9 52.8 52.8 52.9 52.9 52.6 52.9 52.9 c 7. 3 52.6 53.0 50.6 51.5 5. . . 52.2 52.7 52.9 53.1 53.1 53.2 53.2 107(5] 9180] 8787] 7700] A.6 53.7 54.0 54.5 55.2 55.3 55.7 55.8 55.9 56.0 56 - 1 56.1 56.1 56.2 56.2 56.2 55.5 6c.1 56.0 60.9 62.5 67.7 56.5 61.3 r 6 , 6 u £ 54.8 59.4 55.5 60.2 55.€ 56.1 56.1 56.3 56.5 56.5 61.3 56.6 56.6 £ 0.4 58.5 €1.0 41.0 41.2 61.3 61.4 61.4 61.4 67.5 61.8 63.0 64.2 € 10 3 €1.6 62.7 67.0 63.3 63.1 63.1 63.1 64.2 66.7 67.5 44.2 65.4 66.5 68.0 66.0 56.9 68.5 71.0 73.5 69.8 72.4 75.3 4.0 67.2 69.5 70.4 73.5 71.6 73.2 13.6 71.0 77.5 71.0 73.5 71 • 1 73 • 7 71.2 73.8 71.2 73.8 71.2 73.8 ار af, 7L. U 70.5 4: 601 72.6 73.4 37 UT | 10.3 37 UT | 17.4 71.9 74.7 76.3 76.7 75.5 77.3 76.6 79.4 79.8 80.3 53.6 83.6 80.9 ėl. 81.C 81,3 21.3 81.3 01.3 87.8 62.5 81.0 15.01 17.5 19.7 P5-2 82.0 92.5 62.7 A 5 . 1 . F 74.6 01.1 -1.5 32.8 H 3 - 1 93.1 84 . 7 84 . 7 64.4 84.8 56.0 64.7 19001 17.5 19001 10.5 44.6 ., -79.9 82.4 82.5 83.3 64.1 64.5 65.7 64 . 4 77.6 83.4 83.8 54.1 E: . 4 42.8 84.7 64.7 84.5 11.6 19.9 61.4 63. L 85.1 95.2 65.2 95.2 07.5 17501 15.5 1751 15.5 84 . 5 F5.6 £5.9 85.2 °6.3 75.1 02.02 · 4 • 1 86.3 86.3 46.5 10011-1005 70.9 81.7 95.8 e 7 . 6 07.7 cs . 1 80.7 99.2 68.4 98.5 68.5 P8.5 55.4 84. 1 9031 10.5 2031 10.5 7 1 13.5 a*.6 99.6 50.7 P8.9 67 77.1 81.9 82.0 93.7 83.9 65.2 65.7 96. 7 87.2 88.1 ез. 1 яч. 9 58.3 59.3 P# . 5 89.6 89.9 89.9 69.9 89.4 69.9 90.3 99.9 90.0 77.5 82.2 82.5 84 . Z 47.1 47.4 89.5 77.4 93.2 86.1 89.5 9.0 93.0 90.3 90.4 Koji Iris 91.1 91.5 90.3 91.C +! -1 91.4 91.4 84.0 97.7 80.5 5071 17.5 73.5 62.5 P 4 . 7 97.5 92.7 92.7 ÷3.1 93.2 93.2 93.3 85.1 87.3 9:.7 11.7 07.5 4001 10.5 7031 10.5 2011 10.5 2011 17.5 92.1 93.7 93.7 82.0 82.7 82.7 82.7 69.1 09.6 93. 5 94.7 94.5 94.9 94.6 95.3 25.4 95.4 95.5 80.0 95.1 95.7 79.6 80 . U F4.7 90.4 94.8 75.9. 96.3 97.8 96.3 97.8 96.9 97.J 98.5 97.0 98.5 97.1 96 • i 25.5 49.J 79.6 87. I 91.1 95.9 24.7 74.7 27.3 78.6 99.1 99.2 99.4 99.9 01 13.5 16. ' 99.5 73.6 32.7 30 . 2 H 7 . 1 91.1 28.2 25. 7 97.1 48.6 99.1 99.2 99.4 100.0

TOTAL NUMBER OF OFSERVATIONS: 250

0

SLOSAL CLIMATOLOGY BRANCH SSAFLTAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OUSERVATIONS

STATION NUMBER:	724356	STATE	ON NAME	: აიი	IKE AFB	LN						DRU: 77			
											: DEC		ILSTI: i		
CF1L1%G	• • • • • •	• • • • • • •	• • • • • • •		•• ••• • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • •
16 4 GE	٦٤	GE	ūΕ.	SE	65	GL	65	ĢΕ	GE	GE	GŁ	5 £	GE	GE	GΕ
LEFT 1 75	U	5	4		2 1/2		1 1/2		1	1/4	5/8	1/2	5/16	1/4	٥
	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•• •••	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • •
%) CETE 1 7.4	44.9	45.1	47.5	48.3	46.3	49.7	49.7	48.7	49.7	4 P . 7	48.7	49.8	48.8	48.8	48.9
66 33703  7.5	47.7	48.9	55.5	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.8	-1.9	51.8	51.9
UF 15007∱ 7•5	43.0	47.2	C3.4	51.6	51.6	52.0	52.0	22.7	52.1	57.0	52.0	52.2	52.2	52.2	52.3
68 10 JOL 7.5	43.3	47.2	53.9	51.6	51.6	52.3	52.	52.0	52.6	50.0	52.0	52.2	52.2	57.2	52.3
65 147531 7.5	48.0	47.2	53.9	51.6	51.6	52.7	53.0	52.7	52.0	52.9	52.0	52.2	52.2	52.2	F 2 • 3
50 125001 7.5	43.3	47.6	51.2	51.	51.9	52.4	52.4	52.4	52.4	50.4	52.4	52.5	52.5	52.5	52.6
.m 10nd3  3.5	51.7	53.0	54.5	55.4	55.4	55.8	55.8	55.8	55 . 8	5.0	55.8	55.9	55.9	55.9	50.0
55 9032 <b>1 3.0</b>	52.0	53.3	54 . 4	55.7	55.7	56.1	55.1	56.1	56 • I	55.1	56.1	56.2	56.2	56.2	56.3
05 9 uni 9.4	55.6	57.3	53.7	53.5	59.5	57.9	59.9	57.7	59.9	50.0	59.9	67.7	53.3	60.0	60.1
68 71351 8.4	55.2	57.5	59.4	67.1	60.1	69.5	63.5	01.5	6C • 5	6 € 5	60.5	6ე∙6	60.6	67.6	60.8
o. bil 9.4	57.5	58.9	53.0	61.4	01.4	61.8	61.0	ol.f	61.8	61.3	61.8	61.9	61.9	61.9	62.ŋ
ar 5.00∤ 8.#	5 J. 9	62.4	64.3	05.1	65.1	65.5	55.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.7
05 45LT 9.9	53.4	55.2	57.6	68.1	66.2	67.6	53.6	0 1 • 6	68.€	6 R • 6	63.6	68.7	68.7	68.7	68.8
6F 41931 2.6	56.2	59.0	70.3	73.9	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.9
35021 2.7	67.8	69.6	71.6	72.5	72.6	77.3	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.5	73.9
Jr 30301 1J•0	71.7	73.5	75.9	77.2	77.7	79.3	74.3	79.3	78.3	78.3	78.3	78.5	78.5	78.5	78.8
of 2001 45.5	73.9	76.1	73.6	87.1	PC. 9	81.4	R1.4	41.4	91.4	81.4	91.4	81.6	91.6	81.6	81.9
es anull 10.5	74.5	77.3	79.5	61.3	92.4	63.3	53.3	03.3	23.3	47.3	A 3 . 3	83.5	93.5	63.5	83.9
Fe Tanul Ise	74.6	77.2	79.7	81.5	-2.6	57.5	25.5	63.5	43.5	87.5	a3.5	83.9	P 3 . 9	83.8	84.1
5 1524 10.5	75.2	77.A	31.4	02.4	A2.5	84.6	94.6	54.7	04 . F	84.8	•4.8	85.1	₽5•1	65.1	ē5.4
ur 17401 1345	75.4	75.1	P3.8	62.7	43.9	85.1	ā 5 <b>.</b> 1	95.7	a5.4	8.4	45.4	85.6	95.6	85.6	85.9
SE 1 231 1747	75.8	78.6	81.5	c 3 . 4	94.6	86.3	36.5	56.6	86.9	86.9	96.9	87.1	97.1	67.1	87.4
Sec. 9.54 17.5	7002	77.2	41.9	84.1	44.6	87.1	97.2	a 7 • 3	07.6	87.5	P7.6	97.8	87.8	67.8	86.3
34 - 1071 134°	76.5	79.5	-2.3	85.1	36.7	8 0 . €	39.3	39.4	09.7	80.5	88.8	89.0	99.3	89.0	99.5
of 7231 1945	14.7	12.0	P 3 • 2	96.1	°7.7	89.2	49.4	49.5	P9.9	97.0	97.0	90.2	°0.2	90.2	o6.6
af (221 10•5	10.7	90.7	93.5	46.0	e 6 • 2	57.7	P 9 . E	83.9	90.5	97.4	c:) • 6	91.0	c1.3	۶1.0	91.4
96 - 1071 1245	76.7	8 2.3	54.2	57.0	64.2	91.6	92.3	92.2	92.5	97.7	93.0	93.4	93.4	93.4	93.9
UF 4011 1745	76.9	H 7 . 6	99.9	84.7	9.00	93.4	74.2	94.4	25.2	; r . 4	95.4	95.9	95.0	95.8	96.2
5 10 4 17.5	76.9	30 €	35 • 1	67.	91.1	94.7	34.6	95.1	76.1	96.3	96.3	96.9	76.9	97.0	97.4
1771 1745	76.9	8 1.5	15.4	69.3	91.B	34.7	95.6	16.	27.2	97.6	97.6	94.3	08.3	98.5	99.1
04 1001 1045	75.9	90.0	3,.4	40.W	41.6	94.7	34.6	46. "	97.2	97.7	97.7	98.5	98.6	98.8	99.9
1.17.5	76.5	8 3 • 6	P5.4	67•H	e1.8	94.7	1,.0	46 • D	27.2	97.7	97.7	98.5	98.6	98.8	100.0

TOTAL GUMBER OF QUIERVALIONS: ONLY

GLUPAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FRIQUENCY OF COCUMPTENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

			724096					_				001939 HTWDM	: ካEC	HOURS	(LST):		
	LIMU	• • • • •	• • • • • •	• • • • • •		• • • • • • •	•••••			IN STETL				• • • • • • •	• • • • • • •		••••••
i		GŁ	ĿΕ	O.E.	υE	5.6	65	GE	62	68	6E	E S	GE	GŁ	GΕ	GŁ	GE.
FLI		10	6	- 5	4		2 1/2		1 1/2	1 1/4	1	3/4	5/6	1/2	1/16	1/4	0
															• • • • • •		
															• • • • • •		
fe O	CLIL	6.5	43.8	42.4	43.9	44.5	44.4	44.7	44.8	44.8	44.8	44.0	44.6	44.9	44.9	45.1	45.1
	լսուսուլ	6.1	45.8	47.6	49.2	57.0	± C • 3	57.8	5J.4	50.9	٠٥.4	50.0	50.9	51.0	51.3	51.1	51.1
	160001	6.1	45.9	47.9	49.5	54.2	50.5	51.0	51.1	51.1	51.1	51.1	51.1	51.2	1.2	51.3	51.3
	:67.00 F	5.1	45.9	47.8	49.5	57.2	50.5	51 • 3	51.1	51.1	[1 · 1	51.1	51.1	51.2	٠1.2	51.3	51.3
	147501	$6 \cdot 1$	46.1	4 4 . 2	49.6	50.5	5C. 9	51.3	51.4	51.4	c1.4	51.4	51.4	51.5	1.5	51.6	c 1 • 6
13	12 001	5.2	47.3	40.4	51	51.7	52. L	52.5	52.6	52.6	52.6	5.2.6	52.6	52.7	52.7	52+8	52.8
												_					
	innoal	5 • 2	50.1	52.2	53.0	54.7	55.1	55.5	55.6	55.6	«5 . t	5° • 6	55.6	55 • 7	55 • 7	55.8	55.8
(, F		6.2	50.3	52.4	54.0	54.9	5.3	55.7	55.6	55.8	• 5 . 8	500	55.8	55.9	55.9	56.0	56.0
6 F.	انده	6.6	54.2	56.5	58 • 2	54.2	5.9+6	60.0	63.1	60.1	60.2	60.3	67.3	67.4	60.4	60.5	60.5
a U	7 3.3	6.9	54.8	57.2	50.9	67.7	66.3	60.5	60.9	60.9	61.0	61.1	61.1	61.2	F1 • 2	61.3	61.3
IJΓ	60001	6 • B	55.3	57.0	59.4	6).4	6	61.2	61.5	61.3	61.4	61.4	61.5	51.6	61.6	61.7	61.7
t, r	90001	7.1	58.5	61.1	62 • a	63.4	64.2	υ <b>4.</b> 7	64.8	64.0	64.5	65.1	65.1	65.2	65.2	65.3	65.3
L.F	41 7	7.6	61.1	64.0	65.9	67.3	67.3	67.8	68.3	68.	68.2	62.3	68.3	65 • £	55.4	69.5	68.5
67	40001	9.3	63.2	56.3	60.3	69.7	73.2	73.8	71.9	71.7	71.2	71.3	71.3	71.4	71.4	71.5	71.5
5.0	35 32 1	A . 4	65.3	68.0	73.9	72.8	73.2	74.0	74.2	74.7	74.5	74.6	74.6	74.7	74.7	74.8	74.6
. 5	3130	3.4	68.4	72.3	74 . 6	76.5	77. i.	77.7	73.3	78.1	78 . 3	79.4	73.4	78.5	78.5	78.6	78.6
	3 5 1		37.7	1	74.0	10.5	, ,,,		1947		.0.3	1	( 7 • <del>4</del>	19.	3.3	10.0	
v. f	27 431	4.5	6 7. 9	73.8	16.5	78.4	78.9	79.8	8 7. 1	63.2	13.5	87.6	R3.6	82.8	A () . 6	82.9	86.9
6.5	2 331	3.6	7 ). 5	74.5	70.,	67.2	F3.9	81.7	22.3	82.4	92.7	87.8	82.8	82.9	A 2 . 3	83.0	F3.0
., 1	18 .01	4 . f.	7 , 8	74.0	78.0	57.2	FC 9	81.7	92.3	02.4	02.7	a - n	42.6	97.9	92.9	83.0	# 3 · O
,5	15.00	5.4	1.4	75.7	73.5	31.2	F1.9	3. 9	13.4	03.5	23.5	94.7	94.3	84.1	94.1	84.2	84.2
11	12321	6.6	71.9	76.3	77.7	82.1	P 2 . 8	83.9	84.4	04.5	34.5	64.2	34.9	95.1	P5.1	85.2	95.2
i, F	17331	c . K	72.4	17.5	93.4	93.7	a4.5	05.6	80.1	86.2	66.7	81.7	96.9	97.7	97.3	87.1	67.1
. "	2 01	0.t	12.6	77.3	71.4	54.5	95.4	56.5	5 7 . C	07.1	97.5	87.7	07.7	97.9	97.8	a 9 . D	96.0
٠, ٢	9 3 M	° . €	13.4	78.3	32.0	45.8	P6.7	87.7	≙ता. र	39.5	48.9	97.1	⇒ → . 1	87.2	89.2	89.4	P9.4
	71	6.5	7.50 15	17.1	45.1	86. 7	ಚಕ್ಕೆ ಬೆ	89.7	P 7. 6	d ∵ . ₽	73.2	9 . 4	99.4	93.5	90.5	47.6	90.6
., 5	6011	9.6	4.1	77.6	84.3	97. 5	A9. 1	97.3	91.1	#1.1	21.5	91.7	71.7	91.8	91.8	91.9	91.9
: "	501	9.6	74.4	d 1 •5	45.2	47.6	1200	12.6	73.2	#3.4	24.5	34.2	94.2	+4.3	94.3	94.4	94.4
4.6	4 .04	2.5	~4.5	81	25 · 4	970.5	91.9	93.4	74.6	94.8	95.5	95.7	95.7	95.9	95.6	95.9	95.9
. "	7301	€ ۵	74.5	. 18	60.0	71.1	72.7	94.5	35.6	95.8	ი. გა	41.9	94.9	97.2	97.2	97.6	97.6
4. E	2021	F . G	74.5	81.0	90.1	91.3	92.9	34.9	95.9	96.5	27.4	97.8	93.0	93.5	98.5	99.0	99.0
1.5	124	9 . 4.	74,5	51.7	H 3 • 4	91.3	42.9	94.9	75.9	16.5	77.6	90.1	38.2	99.9	94.8	99.7	100.0
41	2.1	h • t	74.5	31.	20.1	91.3	72.9	94.9	45. 7	16.5	97.6	48.1	78.2	99.8	98.5	49.7	100.0

TOTAL NUMBER OF ORSERVATIONS: 230

GLUBAL CLIMATOLOGY FRANCH (SAFETAC AIF WEATHER GERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY DUSCEVATIONS

STATION NUMBER - TOURS - STATION WANG - MECUTOE ACC

0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	STATION N	JM3ER:	774396	STATI	ON NAME:	MC GU	IRE 4FB	NJ.				PERIOD	OF DEC	OPD: 77	-86		
VISIPLITY IN STATETY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES   VISIPLITY PILES																	
THE   10 66 67 67 4 32 1/2 51 65 65 65 65 65 65 65 65 65 65 65 65 65		• • • • •	• • • • • • •	•••••	• • • • • • • •	• • • • • •	•••••						• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •
TEEL   10   6   5   4   3   2   12   2   1   12   1   12   4   1   174   576   172   716   174   10    10   CLIL   5   1   34.8   39.7   39.9   47.3   40.1   40.3   41.3   40.5   40.4   40.4   40.4   40.4   40.4   40.4   40.4    10   CLIC   5   1   34.8   39.7   39.9   47.3   40.1   40.3   41.3   40.5   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6   40.6		GE	GE	GE	6.5	Gr.	r =					-	r, c	6.6	G.F	C.F.	f.F
## CELLE   5.1   32.8   39.7   39.9   47.3   47.3   49.3   49.3   49.5   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4   49.4																	
AC COTOC   5.4   36.2   47.5   47.7   48.4   48.5   48.5   48.5   48.5   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6		-											-			-	-
AC COTOC   5.4   36.2   47.5   47.7   48.4   48.5   48.5   48.5   48.5   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6   48.6																	
15 15 10 2 1 5.4 46.5 47.7 44.5 43.6 48.7 49.7 49.7 49.7 49.8 49.8 49.8 49.8 49.8 49.8 48.8 48.8	NO CEIL 1	5.1	34.8	39.7	33.9	47.3	46.3	40.3	43.3	40.3	40.4	4 ^ , 4	49.4	47.4	43.4	40.4	40.4
15 15 10 2 1 5.4 46.5 47.7 44.5 43.6 48.7 49.7 49.7 49.7 49.8 49.8 49.8 49.8 49.8 49.8 48.8 48.8																	
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25 9321 5.0 52.2 53.9 54.4 55.3 55.4 55.4 55.4 55.4 55.5 55.5	us nomant	5.9	51.8	53.5	54 - 1	54.4	55.1	55.1	55.1	55.1	55.5	45.2	55.2	55.7	55.2	55.2	55.2
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05	ur shoot	6.8	61.2	63.3	64 • J	65.1	65.2	65.4	65.5	<b>5.5</b>	65.7	65.7	65.7	65.7	65.7	65.7	65.7
55 3 0 2 1 7.7 69.7 72.7 73.5 75.2 75.6 75.2 70.2 76.2 76.2 76.6 76.6 76.6 76.6 76.6 76	J. 4105	7.1	64.C	56.5	67.2	64.3	66.4	69.6	68.7	65.7	£9.0	67.7	59.0	67.0	69.3	69.0	69.6
3000 7.7 72.4 75.9 77.1 78.5 79.1 80.0 80.0 80.0 80.6 80.6 80.6 80.6 80.6	95 40UNI	7.2	65.6	68.5	69.4	73.5	70.6	71.1	71.2	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5
27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6E 35 L11	7.7	67.7	72.7	73.5	75.2	75.6	76 . 3	70.2	76.2	76.€	76.6	76.6	76.6	76.6	76.6	76.6
05         27.00         4.0         78.7         80.1         87.0         82.8         83.8         34.0         84.1         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         8	er shabi	7.7	72.4	75.5	77.1	78.5	79.1	60.7	83.2	ø7•2	93.6	87.6	90.6	80.6	<b>₽</b> 0•6	80.6	80.6
05         27.00         4.0         78.7         80.1         87.0         82.8         83.8         34.0         84.1         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         84.5         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         85.3         8		_						_		_							
37     19.01     8.1     75.6     79.4     85.9     82.5     83.5     84.5     94.7     84.8     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     85.3     <																	
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57 9.11 8.1 77.3 81.7 83.9 86.1 87.8 88.2 58.5 55.7 09.1 89.1 69.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 8	or inchi	e . 1	77.1	21.4	-:- (	55.5	26.5	67.6	84.0	68.2	86.6	80.6	88.6	88.6	88.6	88.6	88.6
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0.0		9.1	73.0				-								-		
OF     4171     78.5     83.1     96.7     97.4     91.5     94.7     94.8     95.2     96.1     96.2     76.2     96.3     96.7     96.7     96.7       CF     1001     8.1     74.5     85.0     80.0     80.0     92.0     94.8     95.8     96.1     97.5     98.1     98.1     98.1     98.4     98.4       CF     101     8.1     78.5     87.0     80.0     80.0     92.0     94.4     95.8     96.1     97.5     98.1     98.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1     98.7     99.1																	
61 JUL 8-1 78-5 83-0 F0-7 F0-9 92-0 94-8 95-8 96-1 97-0 98-0 98-1 98-4 98-4 98-4 98-4 50 JUL 8-1 73-5 83-0 86-3 89-9 92-0 94-8 95-8 96-1 97-5 98-1 98-1 98-7 99-1 99-5 99-5 00-0 JUL 8-1 78-5 87-0 80-0 80-9 92-0 94-8 95-8 96-1 97-5 98-1 98-1 98-7 99-1 99-7 100-0 00-0 00-0 00-0 00-0 00-0 00-0 0	1.5 67.21	۴.1	73.3	82.5	85.6	89.0	₹1. C	93.2	93.8	94.1	04.9	94.9	94.9	95.1	95.3	95.3	95.3
.F 704 = 1 73.5 83.0 86.0 89.4 92.0 94.8 95.6 96.1 97.5 98.1 98.7 99.1 99.5 99.5 00 19'1 8.1 73.5 87.5 87.5 87.5 87.4 92.1 99.7 100.0 97.5 97.1 78.5 87.5 87.5 87.9 92.0 94.4 95.8 96.1 97.5 98.1 98.7 99.1 98.7 99.1 99.7 100.0 97.5 97.1 78.5 83.1 98.7 99.1 99.7 100.0					15.0		91.5		94.5	45.2	c6 • 1		76.2				
00 171 8.1 78.5 87.5 M.J 89.9 92.0 94.4 95.8 96.1 97.5 98.1 98.1 98.7 99.1 99.7 100.0 60 - 11 8.1 78.5 83.1 96.7 89.9 92.6 94.8 95.8 96.1 97.5 98.1 98.1 98.7 99.1 99.7 100.0							96.6	44.8	25 · R	76.1	27.5	99.7					
6F - 11 Fel 78:5 83:1 66:1 89:9 92:0 94:6 95:8 90:1 97:5 98:1 98:7 99:1 99:7 100:0																	
77.7	6E 171	6.1	79.5	47.0	Ht • J	89.9	92+ G	94.4	95.8	96.1	97.5	99.1	98.1	98.7	99.1	99.7	100.0
77.7		٠,	70 6	. 7 .	64 :	60 0		0									102.0
								94.5	95.8	96.1	47.5	45.1	A8 * T	48 . /			

THILL NUMBER OF ORSERVATIONS: 936

GEORAL CLIMATOLOGY BRANCH

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CELLING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 774096 STATION NAME: MODULAR AFR NJ PERIOD OF PECORUS 77-85 MONTH: DEC HOUPS(LST): 1200-1400 MISTERFILLA IN STAINLE MIFES CFILING US GE OF OR OF OR OF OR OF OR OF OR OF OR OF OR OF OR OF OR OF OR OF OR OTHER ORDER OF OR OTHER ORDER OF OR OTHER ORDER OF OR OTHER ORDER OF OTHER ORDER OF OTHER OTHER OF OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTH 1/2 1/16 1/4 5/6 60 CEIL 1 5.4 41.6 41.0 41.4 44.7 41.2 41.8 41. 5 41.F 41.6 41.0 41.6 41.0 06 200301 07 165001 5 7 . 4 51.3 51.4 51.6 51.8 50.5 51.4 51.4 51.4 51.9 51.4 51.4 51.4 c1.4 51.4 c1.4 51.4 51.4 61.9 51.d 7.7 51.0 51.3 -1.7 51.8 51.6 51.9 51.8 51.8 51.8 54.6 51.8 51.8 50 16 631 51.8 7.7 51.3 51.7 51.8 51.8 51.5 51.2 41.6 51.5 51.A 1.7 51.9 51.9 52.4 35 14 1331 51.1 52.0 51.4 · . . 6 51.9 51.9 51.9 11.4 51.9 51.9 51.9 51.9 1.9 # 100001 #F 99301 #E 80301 #I 70001 #F 60001 51.9 57.4 67.9 = 5 . 7 56.9 55.9 56.7 56.7 57.4 62.7 57.4 8.4 56.2 £1.5 56.7 57.3 57.4 57.4 57.4 62.9 57.4 57.4 62.5 57.4 57.4 57.4 c 7.4 52.9 64.9 9.0 61.9 63.5 43.3 63.3 62.5 63.8 63.5 63.8 63.0 53.6 03.8 53.0 63.6 63.4 63.5 63.A ,-u--u-f 66.3 56.4 5:001 3.€ 65.2 65.5 66.7 66.9 66.9 66.9 66. 7 66.9 66.9 66.9 66.9 66.9 64.4 72.2 56.9 £ 6 . 9 4707/ 17.0 4707/ 17.0 3500/ 17.4 57.2 77.3 75.1 68.4 63.4 60 • 1 71 • 0 68.3 68.4 72.2 6 ° . 4 7 ° . 2 68.4 72.2 69.4 72.2 50.6 73.1 16.4 €8.4 72.0 76.5 72.2 71.8 72.2 4.2 16.6 76.6 76.6 76.2 76.6 80.4 76.€ 16.6 75.6 76.6 76.6 75.6 79.5 67.5 25 and 18.5 21304 19.5 14001 19.5 87.6 73.5 19.9 -1.3 51.6 32.0 42.6 32.6 92.6 A 7 . F. #2.6 62.6 62.6 F2.0 34 . P 94.5 85.2 81.8 43.5 93.7 84.2 94.3 64.0 84.8 85.2 84.8 85.2 - ).a 84.4 34.9 94.2 #4 . A 54.8 F4.8 11.0 85.2 65.2 25.2 45.2 10001 10.5 e5.5 87.1 FE. 9 F1. 7 87.5 39.4 - 2.4 33.7 87.5 17.5 07.4 37.5 87.5 = 7.5 £ 7.5 F7.5 12.5 88.4 o F . 4 89.4 94.4 £9.4 46.4 93.4 44.4 17071 17.5 01.4 - 3. a 36.9 60.0 ٠,٠, 99.0 44.8 701 13.5 701 13.5 84.9 35.2 85.4 90.7 91.1 91.0 97.0 91.2 91.0 90.1 13.1 87.1 B3.5 90.5 93.3 20.3 97. 1 23.3 96.3 1,1 .3.2 63.5 91.1 21.1 91.1 37.3 69.9 >1 · 1 91.1 91.1 71. -91.4 91.9 6 JOH 10.5 a 3. 3 85.4 47. . 39.7 91.1 92.6 92.8 95.4 92.8 5001 10.5 . 3. 7 97.4 85.7 64.1 93.4 53.9 94. 7 94.5 44.6 74 - 6 94.6 94.6 94.6 94.6 431 12.5 100 12.5 = 3.7 55.7 55.3 63.2 9 . 9 9.. 7 94.9 95.1 95.1 27.2 77.7 97.3 47.3 97.5 47.5 97.5 96.h 77.1 25.7 : 3.8 33.5 92. A 15.9 78.3 90.4 JR . 4 99.4 98.6 48.6 96.6 167 17.5 1 01 17.5 99.8 13.8 45.3 48.5 97. 1 1. . 6 10.1 27.3 28.7 99.1 29.3 29.5 99.7 99.8 96.1 100.0

90.1

+6.1 ×7.7

28.7

99.9 120.0

TOTAL NUMBER OF OVSERVATIONS: 930

85.0

27.4

42.6

1.17.5

STATE TAC

#### PERFECTIONS PRODUCTOR OF SCHEMENT OF CRISING VERSUS VISIBILITY $\rho_{\rm total}$

ATT WATER SERVICE PMAC

UN HAR BHIDCOM COMMAN ANTIATE APPRIET CASEMUA MOSTATE PERIOD OF RECUPU: 77-86 MONTH: DEC HOUPS(LST): 1500-1700 ATZIETETTA IN ZIMIALE MIRE UTILITY A SECURITY OF SECURITY ASSESSMENT OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY OF SECURITY 96 37 96 36 36 36 2 1 1/2 1 1/4 1 7/4 6L 6E 1/2 5/16 GE 1/4 υE U 5/4 STOCKER STOCKER 45.4 4 2 . 7 41.0 41.4 43.4 43. 4 47,2 43.6 51.3 -1.2 51.0 51.7 . . . -1.1 51.5 51.5 51.5 51.7 51.4 54.5 54.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 51.5 0. 13 5001 51.5 51.5 51.5 51.5 1.1 51.5 51.5 . . . . i 51.5 51.7 51.7 52 . 7 52.7 52.7 52.7 52.7 52.7 52.7 s . • 1.1.4 57.7 57.0 57.8 57.9 57. 4 57.4 57.6 67.6 . 7. 6 3. 12 uch 57.3 57.8 57.8 57.9 57.5 100 34.2 53.3 50.3 . . . . 50.2 58.3 r 9 . 3 58.3 7.8 54.3 56.3 50.5 34.3 58.1 58.3 11.4 51.9 67.9 67.2 4.2 51.7 52.6 51.4 52.4 61.7 61.9 51.9 62.3 61.7 61.7 61. + 61.7 41.4 61.9 01.9 61.7 42.4 62.5 62.9 . . . 63. 5 7 9 11 7.2 64 41 24 7.5 67 9 21 4.4 67 3 21 22.3 7 77 21 17.5 65.4 67.7 66.7 65.2 74.7 77.5 56.7 61.2 99.3 69.5 65.7 64.7 F-6 - 7 66.7 66.7 £4.7 66 • 7 69.2 72.5 49.2 73.9 77.4 59.7 57.2 74.3 77.5 69.2 74.0 73.3 67 ... 67.2 74.6 59.2 74.0 59.2 74.3 65.2 74.J 62.0 72.3 73.y 74.3 77.4 17.5 77.5 11.5 77.5 15.4 15.5 77.5 11.5 91.2 41.7 91.3 2 2 1 15.5 2 2 1 12.5 1-2.1 12.5 1-2.1 12.5 1-3.1 12.5 H.3. 6 42.7 *4.5 34.5 35.1 46.7 44.4 45.5 1.5 · 5.4 54.1 54.4 55.3 94.5 25.3 85.1 85.5 65.1 45.5 85.1 85.5 95.1 65.1 85.5 85.1 85.5 95.5 · · · 50. 97.1 56.6 ` ( . 5 46.7 87.3 87.3 97.3 67.3 11001 17.5 . . . 07.3 A a ... 44.7 44.9 39.9 F8.9 14.4 20.00 27.2 09.7 94.7 95.9 38.3 98.7 7 7 1 17.5 7 7 1 17.5 33.5 -5.3 34.1 10.5 99.6 F 7. 3 89.5 10.4 Á7.P 69.A A 5 . H 29.6 -7.R 89.8 18.5 49.6 91.0 91.0 HH . 3 97.6 23.5 93.8 97.A 93.8 90.8 96.6 1.1 31.6 51.4 49.6 91.8 +4.4 -1.1 91.5 91.4 91.5 91.8 -1.1 * 70 J 1745 #171 1745 7231 1145 7234 1245 1241 1745 95.0 97.6 90.5 3.0 11.5 H ) . . 41.5 24.7 95.6 35.8 95.9 95.8 45.A 95.8 91.9 85.4 85.4 45.4 11.1 73. J 73. 1 73. 2 .1. 2 97.6 24.5 75 + 5 76 + 4 77. 77.4 11.6 99.6 · 4 • 4 97.6 \$7.6 98.6 94.4 98.6 93.6 94.7 *1.2 96.8 94.9 23.4 79.6 99.6 99.7 4.0 11.0 39.4 79.6 -1.1 14. -7.7 1 1 1 1 17. .

THEAL NUMBER OF ORSCHRAFTING: +3.

GETTAL CETMATOLOGY BRANCH :

#### PERCENTAGE EMEQUENCY OF OCCUPRENCE OF CFILING VERSUS VISIPILITY FROM HOUSEY OBSERVATIONS

SER MEATHER SERVICE/MAC

STATION NEMBER: 774095 STATION NAME: MODULE AFB NU PE7100 OF RECORD: 77-86 MONTH: DEC HOURS(LST): 1830+23CD CFILING. VISIPILITY IN STATUTE MILES GE OF GE GE GE GE GE ĢΕ C NO CLIE 1 E.O. 43.2 49.3 44.4 44.5 43.5 49.5 44.3 46.5 45.5 43.5 48.5 43.5 48.5 49.5 48.5 00 070074 6.5 00 157001 6.6 00 157001 6.7 00 14 021 6.7 00 127071 6.6 53.7 58.4 54.1 c4 . 1 53.7 54.L 54.1 54.1 C4.1 54 . 1 54.1 54.1 54.1 54.1 54.1 54.1 53.7 53.5 54.1 54.1 54.1 F4 . 1 54.1 54.1 54.1 54.1 54.1 54.1 54.1 53.7 53.5 54. . 54.1 54.1 54.1 54.1 54.1 54.1 54.1 •4.1 54.1 54.1 5 3 . 7 54.7 . 4 . 1 54.1 63.3 c 4 . 1 54.1 54.1 54.1 54.1 54.1 54.1 54.1 54.1 * d.5 ٠,٥ 59.7 59.0 35 107031 53.5 50.7 59.7 59.0 59.: 59.5 50.0 59.7 59.0 59.0 59.0 #7US| # 27| 7 US| 7.4 7.7 7.7 53.5 52.4 53.4 58.7 62.5 63.5 57.2 59.2 52.9 64.0 59.2 62.5 52.2 62.9 54.8 59.1 54.2 57.2 59.2 59.2 69.2 59.2 59.2 63.7 61.9 63.3 62.9 42.9 62.9 62.9 62.9 62.9 62.9 64 . C 64.7 £4.0 64.7 54.6 64.2 64.0 65.1 45.1 65.1 65.1 65.1 65.1 ۶. ۲ 91.001 41.001 41.001 51.201 67.2 72.2 72.9 67.2 17.2 12.9 67.2 1-5-6 55.5 65.1 67.1 57.2 61.2 61.2 67.2 67.2 67.2 67.2 67.2 8.1 9.2 3.4 0 1 . 1 7 3 . 3 7 3 . 4 69.7 72.5 75.7 64.7 73.2 72.9 17.2 73.2 72.9 70.2 72.9 70.2 72.9 73.0 70.2 67.1 71.2 70.2 71.2 71.5 72.6 76.1 16.1 76 · 1 79 · 7 76.1 10.7 76.1 77.7 7 . . . 16.0 70.1 76.1 76.1 76.1 76.1 21 UNI 21 UNI 12 UNI 17 ONI 17 UNI 92.7 74.5 21.0 02.3 82.6 02.7 82.7 82.7 P 2 . 7 82.7 65 • 1 65 • 2 86 • 5 85.1 85.2 86.5 87.1 5 . H 35.1 45.2 - 1.6 31.3 30.5 42.9 64. c 54.5 55.1 05.1 45.1 85.1 25.1 85.1 85.1 84.; 85.4 #5.1 86.2 05.2 95.I 45.2 40.5 95.2 P5.2 65.2 85.2 3 . 6 96.5 13.9 86.5 00.5 31.2 44.5 65.4 c(. 7 87.1 87.1 87.1 11.5 1.6 61.7 89.0 8ª.3 2 2 - 1.5 35.3 65.5 - 7.5 8 2 . 1 43.7 a 2 . . 98.7 38.2 38.3 F 1. 3 PR. 3 94°C 3 . 4 3 . 4 99.9 59.0 37. 2 99.7 44. v 48.9 ≯3.5 94.5 89.7 89.3 65.0 33.4 1 5 • 2 5 • 7 89.0 20.5 33.5 93.6 იე.6 92.6 21.5 7-11 14.1 91.1 91.4 91.5 20.1 00. 95.5 91.4 71.4 71.5 91.6 91.6 91.6 91.6 4.5 17.4 17.5 93.7 23. 2 94.5 94.5 94.5 94.5 1.9 34.6 42.4 91. 9 74.2 34.4 94.4 1 : £ 11.3 34.7 11.7 91. 4.1 94.7 45.6 41.0 25.5 94.1 35.1 96.2 96.2 96.2 96.2 35.5 25.7 47.7 97.8 97.4 97.7 97.3 -1. 74.3 54.-,4,2 11.6 44. 44.0 91.0 74.2 35. 28.6 40.1 99.1 99.4 99.4 99.6 100.0 1 3.4 54.0 11.9 :4.2 44. 6 45.5 77.4 .7.7 93.6 97.1 99.1 99.4 99.4 99.6 130.4

LITAL WOMEN OF DISHMATIONS: 95.

SERVAL SEIMATOEDGA ARANCH TYAFETAC ATH WEATHER SERVICEMMAC

## PERCENTAGE FRIGUENCY OF CECURBENCE OF CETEING VERSUS VISIBILITY FROM HOUSEY OBSERVATIONS

STATION	ս∪⊭ս(Չ:	124994	11412	Gr. HAME:	<b>~</b> € 6€	IRF AFB	LY					OF PEC	URD: 77 FOURS	-85 (LST): :	2100-23	cc
C 1L Ps6	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••			IN STATE			• • • • • • •				• • • • • • •
1.	1 16	Jĺ.	GE	u:	υĽ		GL	٦,	űť	GE	ne.	G۴	GŁ	S€	G£	ĿΕ
	10	L	5	4		2 1/2		1 1/2		1	3/4	5/6	1/2	1/16	1/4	C
	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	•••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••
TI CELL	1 5.3	40+1	46.0	45.9	45.4	46.9	47.0	47.0	47.D	47.2	47.3	47.3	47.3	47.3	47.3	47.3
61 20000	1 6.5	52.0	52.7	55.5	53.7	53.7	53.8	53.8	5 2 . 4	54.0	54.1	54.1	54.1	< 4 . 1	54.2	54.2
15 16765	9.0	52.6	52.7	51.3	53.7	53.7	53.8	53.3	53.9	54.0	54.1	54.1	54.1	C4 , 1	54.2	54.2
01 10 50		5.6	5 ? • 7	55.3	53.7	53.7	53.3	53.8	53.9	54.0	54.1	54.1	54.1	c 4 . 1	54.2	54.2
61 44 de		52.6	57.7	53.3	53.7	53.1	55.4	53.8	23.8	54 • C	54.1	54.1	54.1	54.1	54.2	54.2
(F. 127-2)	1 6.5	50.0	52.1	53.3	51.7	43.7	57.0	53.2	53.4	54.0	54 • 1	54.1	54 • 1	54 - 1	54.2	c 4 • 2
us iorus	1 7.1	5.7.0	57.1	57.7	53.1	96.1	59.2	5 1 . 2	55.2	58.4	50.5	53.5	59.5	eg.s	59.6	58.6
UF 9703	1 7.1	51.3	57.1	51.7	58.1	55. 1	58.2	59.2	58.2	58.4	59.5	53.5	54.5	58.5	54.6	56.6
51 5.30	1 7.6	1.1	57.6	61.5	01.3	61.6	61.7	61.9	61.7	62.2	62.3	62.3	62.3	62.3	0.7.4	62.4
JE 7131		61.5	62.5	63.2	63.5	63.5	63.7	63.7	63.7	63.9	64.5	64.0	64.7	44.3	04.1	64.1
of could	1 4.5	43.1	53.7	54.4	64.7	64.7	64.9	64.6	64.9	K5 • 1	65.2	65.2	65 • 2	65.2	65.3	65.3
66 da	i 3.7	.5.6	66.2	5/.1	67.4	67.4	67.5	67.5	67.5	57.7	67.5	67.8	67.9	67.9	69.0	£8.L
6E 4537	1 4.7	54.1	64.7	6 + . 5	57.4	76.2	77.3	3 ور 7	70.3	70.5	77.6	77.6	10.5	73.6	77.9	70. B
LF 4 00	8 . P	7 3 . 5	71.3	12.2	72.7	73. u	73.1	73.2	73.2	73.4	77.5	73.5	73.5	73.5	73.7	73.7
198 35 P		71.7	72.9	73.9	74.6	75 • 1	75	75.4	75.4	75.6	75.7	75.7	75.7	75.7	75.8	75.6
1.5 3 37	1 3.1	*5.5	77.,	70.6	17.5	79.9	90.0	a J. 3	03.4	83.€	87.4	°7.8	8J.A	9 J . 8	37.9	₽ U • ¥
21 25 U.	1 9.1	27.4	70.0	21.5	81.5	-1.9	82.7	32.4	82.5	02.7	H2.9	82.8	02.9	A2.9	53.0	٥.5 م
- WF - 2701		78.5	373.77	91.7	42.5	ے ہڑ ہ	83.7	34.3	64.1	A4. 3	34.4	64.4	94.5	94.5	84.6	04.6
JF 15 / 1		73.9	37.4	P.2 + 3	33.3	#3. b	34.2	94.5	74.5	F4.8	84.7	24.9	35.1	95·1	b5.2	85.2
. r 150m		7 7 1	8 I • 6	63.7	H4.9	n 1, . 4	86.1	46.5	50.6	96.5	57.7	37.3	97.1	A7.1	87.2	61.5
UF 1201	1 , 1	3.1+3	11.9	44.1	95.6	66.1	86.9	97.2	37. ?	£7.5	67.7	à 7 . 7	67.9	P7.8	89.0	68.0
ar indi		3	81.4	14.1	ac . 7	360.	A7 - 1	37.4	47.5	97.7	54.7	68.5	09.1	98.1	86.2	88.2
LE 500		~ 1. š	9.7	-4.4	40.5	-7.1	59.0	24.5	46.7	89.3	89.2	49.2	17.4	A7.4	89.5	69.5
1.5	1 7.1	. 4	82.5	45.1	67.3	3 h • C	3ª.5	47.4	39.6	99,4	93.1	37.1	90.2	23.2	90.3	96.3
7.7		2 1 • t	3.7 .6	F5•?	H 7.7	9d.7	83.6	+ 5.2	¥7.4	33.8	91.7	31.C	91 • 1	91.1	91.7	91.2
* # 1"	1 7.1	*1.2	, 3 . 3	r6.1	89.1	90.2	91.2	91.9	92.0	92.5	9.7 . 7	42.7	92.8	95.8	97.9	92.9
of 13	1 2.1	21.3	a 3 . 7	96.5	87.6	1400	91.0	25.8	93.0	23.7	97.3	43.9	94.1	94.1	94.2	94.2
t 4		41.4	5 5 . 9	~ to • 7	9.2 - 1	91.3	93.7	23.9	74.1	24.7	95.3	95.2	95.4	95.4	45.5	95.5
7 70		11.5	3 4 .	-6 · ·	97.3	71.5	97.0	25.2	15.5	96.1	91.07	90.7	96.9	36.9	97.0	ن . 7 9
200		,1.2	84.0	86.6	97.5	21.8	94.5	36.7	15.6	57.4	90.0	28.5	78.6	OH . 6	99.1	99.1
0.1	1 7.1	1.5	54.0	et. • €	90.5	-1.5	941 °c	76 • C	46.6	77.4	95.2	98	98.9	c5.9	99.5	99,9
	1 - 1	: 1.5	84.	<b>6 •</b> 8:	37.5	1:00	94.5	95.5	75.6	97.4	94.2	98.2	98.9	98.7	99.5	150.0
									. , , ,	. •						

TOTAL NUMBER OF OXSERVATIONS: 333

THE WAL CLIMATOLOGY BRANCH DSAFFTAC AIR WEATHER SERVICEZMAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUSLY OBSERVATIONS

PERIOD OF PECORD: 77-85

STATION NUMBER: 724096 STATION WAME: MCGUIRE AFB NU

MONTH: DEC HOURS(LST): CPREING I GE GE SETE / 10 5 GE 5/16 45.4 ". 1 Cill | 5.4 45.5 45.7 44.5 44. 7 45.02 45.2 45.4 45.4 45.5 45.5 45.5 45.5 45.5 45.6 # 2.(un| 05 146un| # 16701| # 147un| 51.7 49.7 5 7.4 • 1.5 51.7 51.8 52.3 52.7 52.1 51.P 52.0 51.1 51.5 21.7 51.8 51.7 51.9 51.9 51.9 51.9 51.9 52.J 7.1 7.1 7.1 50.6 57.6 53.7 47.5 51.7 51.5 51.9 52.1 52.1 52.2 52.1 52.1 52.2 51.3 51.7 92.0 52.1 52.1 52.1 52.1 51.4 52.3 47.5 51.3 51.7 = 1 . 7 51.9 52.0 52.3 52.1 44.9 51.4 52.4 51.8 52.1 52.1 52.2 52. 0.0 100001 UF 90001 UF 81031 61 71301 UE 61301 7.5 7.5 7.9 56.9 57.2 61.5 50.9 57.2 61.5 4.4.5 55.3 50.6 57.1 6.7 56.6 56.8 61.1 62.1 57. 57.1 61.4 42.4 54.8 FF.7 59.6 59.8 66.4 62.5 56.9 57.1 51.5 57.2 F7.2 +1.6 57.2 61.6 67.2 01.4 61.6 67.4 : 7.7 5 1.7 61.6 62.2 63.3 62.4 62.5 12.5 62.6 62.6 63. 3 4 5 . 3 63.4 63.5 51.5 402.4 63.0 63.4 63.5 70,001 45,001 9,001 35,001 30,001 65.5 63.3 54.6 66.1 16.2 55.5 66.5 66.5 61.4 66.4 56.6 56.6 64.6 66.7 66.7 69.4 я. 7 3. 0 3. 1 67.4 77.5 75.7 65.8 69.4 57.1 69.0 72.0 69.2 67.3 67.3 69.4 72.6 67.5 69.5 72.6 61.2 69.5 71.8 69.5 7 i . 1 72.5 75.3 15.1 75.7 76.7 76.0 7.4 74.4 76.3 77 - 4 73.9 19.3 79.7 72.2 ٥).: 57.1 90.1 60.1 67.2 F 0 . 2 2500} 2100 1800 1800 ្រូវ ភូគ ភូគ 9.6 76.1 77.3 78.3 77.9 81.3 =1.5 31.7 32.1 12.2 42.3 62.4 47.4 82.5 84.4 02.5 82.5 9.6 3.2 53.5 84.1 54.2 H4 . 3 H4.3 84.4 84.7 84.5 84.8 79.5 82.5 82.9 24.1 64.4 84.8 01.3 34. 2 84.4 85.9 77.5 79.3 P1 . 6 94.t 94.7 P4.7 24.7 56.1 7.6 78.3 85.6 95.0 96.1 96.2 37.7 22.7 64.2 24.9 96.2 86.3 P 6 . 3 =6.5 95.6 86 .4 95.7 56 . 7 07.7 98.3 68.3 46.5 89.3 6301 6301 7301 6301 85.2 87.1 87.7 88 · 1 89 · 1 92 · 2 91 · 7 81.3 44.3 57.1 PE.1 99.5 59.5 99.9 42.7 99.1 99.5 93.2 90.2 7.6 79.2 48.9 2.6 77.4 90.0 9.5 79.6 ಕ?•ಀ 35.2 9.33 33,0 41.7 91.0 -1.1 91.2 91.2 ¢1.3 77.8 62.7 25.7 83.5 39.8 91.6 91.7 92.1 92. 92.2 92.4 92.4 92.4 92.5 5001 2.6 79.9 50.0 46.5 24 . " 83.2 87.3 92.5 73. 4 +3.5 94.3 94.2 94.4 74.4 94.4 94.5 97.1 92.1 92.5 # . 11 7 . 11 7.6 9 0.0 9 0.1 83.4 21.8 94.4 94.9 95.8 97.6 96.0 96.J 76.2 96.3 96.3 97.8 96.4 95.2 96.1 P5 . 8 25.2 95.1 40.3 7.€ 94.7 97.8 99.9 99.2 30.1 83.5 P6 . 8 45.3 98.4 42.5 95.5 28.9 100.0 1 3.6 9 .. 1 83.5 97.5 27.9 90.5 98.6 99.1 29.2 99.5 170.0 90.2 76.7

TOTAL NUMBER OF COSERVATIONS: 7440

CLYMAL CLIMATOLOGY HRANCH L'ARLITAC ALC MLATRER SERVICEZMAC

## PRACENTAGE FRIWDENCY OF OFCORPORING OF CFILING YERS S VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 7/4194 STATION NAME: MC MIRE AFB NJ

STATION NUMBER:	7.14.194	5741	ON WARE	: ייכיש	IRE AFB	۱J				PEPIOD MONTH		0F0: 77 HOURS	-8 * (L S I I :	ALL	
critii 6								IN STATE							
14   (6	51	fa £	äF			SE	3.5	C.E	GE	3.0	GF	GL	LΕ	GE	GΕ
"ttl   '"	٤		4		2 1/2		1 1/2		1	7/4	5/6	1/2	1/15	1/4	۵
	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •
NO CETE 1 7.7	43.1	45.3	46.0	47.5	40.1	49.3	43.5	48.5	43.6	49.6	43.6	48.7	48.7	48.7	48.7
ur 101001 P.1	45.9	51.7	53.5	54.7	55.1	55.4	95.6	55.6	55.7	55.7	55.8	55.8	55.8	55.9	55.9
75 180001 s.1	47.0	51.2	63.7	54.9	55.3	55.6	55.7	35.7	ن 5 د	55.0	55.9	56.0	r6.0	56.0	56.1
95 197 231 2.1	49.0	51.9	53.7	54.9	55.3	55.6	55.7	55.5	55.9	55.9	55.9	56.5	56.3	56.0	56.1
58 147531 P.2	49.	52.1	53.9	55.2	65.5	55.5	56.0	56.7	6.1	56.2	56.2	56.2	56.3	56.3	56.3
95 125011 F.2	C). L	52.4	54.5	55.1	56.5	56.9	50. 7	56.9	57.0	57.1	57.1	57.2	57.2	57.2	. 7.3
													_		
%, 100CD[ H.5	53.0	56.2	· · · · · · · · · · · · · · · · · · ·	57.7	61	67.5	60.€	65.7	63.8	6°•4	60.9	60.7	60.9	61.0	61.0
ur brint e∙c	1.3.4	56.6	5.5 • 7	€7.1	64.6	67.9	61.1	61.1	61.2	61.3	61.3	51.7	41.4	61.4	61.5
60 e137  8.9	56.0	57.4	62.7	64.3	64.6	65.2	ن 5 <b>.</b> 3	65.4	65.5	6.6	65.6	65.6	65.7	65.7	65.5
U+ 71 /3  9.0	67.0	51.5	63.9	65.5	66.6	66 .4	66.6	06.5	46.7	66.P	66.0	66.9	66.9	66.9	67.3
U5 6153∤ 9.0	53.4	62.2	64.5	66.2	t 6.7	67.1	67.3	67.3	67.5	67.5	67.6	67.5	67.5	67.7	67.7
ur 5000} 9•2	1.3.5	44.4	65.9	64.6	69.1	63.5	69.7	t9•¤	69.9	70.0	70.0	70 - 1	73.1	7℃•1	7000
2.4	62.7	96.0	69.4	71.3	71.6	72.2	12.5	72.5	72 . €	72 • 7	72.7	72.5	72.8	72.8	72.4
00 4 33	.4.9	09.3	12.1	74.1	74.7	75 - 1	75.4	75.4	75.5	75.6	75.6	75 • 7	75.7	75.8	75.6
LE 2501 9.9	67.3	72.	75.0	77.0	77.8	70.3	78.5	78 <b>-</b> 6	78 • 7	75.3	78.9	78.9	16.9	79.0	79.0
Win 3000 1941	6 ** 6	74.3	78	ė J. 5	F1.2	81."	°2.3	02.1	92 + 3	82.4	82.4	82.5	95.5	02.5	P 2 . 6
sin anani 10.0	71.0	76.1	19.6	62.2	62.9	87.5	83. b	63.0	24.5	50.1	54.1	84.2	84.2	84.3	84.3
01 10.7	71.8	77.1	0.7	E 3 . 4	84.2	84.9	85.2	95.2	05,4	55.5	P5.6	85.6	25.7	35.7	95 · 6
F 1 17.3	12.	77.3	51.J	63.7	4.5	85.2	45.5	85.5	05.7	65.4	25.9	a5.9	°6.0	85.0	A6.1
. r 15 a l 19.2	72.7	78.3	e.' • i	35.	35.8	85.6	96.9	37.0	97.2	87.3	97.3	87.4	27.4	87.5	87.6
1.64 10.2	73.1	75.	62.3	65.5	F6. 7	87.5	37.9	07.0	P8 - 1	o - 3	84.3	68.4	88.4	88.5	38.5
		••	,	,	,	0.43			•	• • •	., . • 3	3.7.			
16 10001 10.2	73.5	19.4	F3.5	66.1	£ 7. 6	86.7	39.1	09.2	29.5	39.6	99.6	99.8	F9.8	87.B	89.9
5. 5.01 10.2	73.7	79.7	93.9	2.7.3	A 6 . 3	89.7	39.7	49.9	9.1.1	91.3	90.3	97.4	93.4	90.5	90.6
65 5 11 1c.2	77.9	87.3	8++3	67.9	a 5 . U	97.1	93.6	73.7	21.0	91.2	91.3	21.4	91.4	91.5	91.5
51 7001 10.2	74.1	50.3	J4 . 7	88.5	કું છે. કું	97.2	91.5	+1.6	92.6	52.2	92.2	92.4	92.4	92.4	92.5
5 (04) 13.2	*4.2	83.5	65.4	87.1	96.5	91.6	92.4	10.6	93.0	97.7	93.2	93.4	03.4	93.5	93.6
										•	• -				
11 1.01 10.2	74.3	63.7	95.5	40 · F	21.3	45.0	93.7	93.9	74.4	94.7	94.7	94.9	95.0	95.0	95.1
4 1 1	74.4	5 " • 5	44 7	90.3	91.9	91.7	74.7	45.0	75.€	44.0	95.11	96.2	96.2	96.3	96.4
50 SOL 100	74.4	B 1.9	r 12 + 83	9:1.5		94.0	30.0	#5 · #	~€ . €	97.7	97.1	97.4	97.5	97.6	97.7
. F . C . I 17.2	74.4	40.4	41, • O	97.6	92.4	94.5	36.1	76.2	27.1	97.4	47.8	48.4	96.5	94.7	98.9
95 Jun 1 1242	~4.4	€ 3.6	5. t y	90.6	42.4	94.5	95.9	16.3	27.2	¥7.7	C.89	94.6	96.8	99.2	99.7
1.11.2	-4.4														100 0
1.10.2	•	£ 1.9	**, **,	47.6	42.4	94.5	95	16.3	07.2	97,9	98.3	98.6	66.8	99.2	

TOTAL NUMBER OF BUSERVATIONS: F7691

CLUSAL CLIMATCLOGY PRANCE COAFFTAC ALSO HER SERVICENMAC

# PIRCENTAGE FREUTENCY OF DECEMPRENCE OF SMY COVER FROM HOUSEN OBSERVATIONS

STATION NUMBER: 720	439: 574	TIEN NAME	: "C 6u 1	RE AFB 5	J				IA PO GO MAL : 4T	.CORD:	78-87		
H0U03     E111	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		RCENTAGE 3	F RF QUES	(CY OF T	ENTES OF	TOTAL 5	KY COVE	3	18	ME A 4	101 08
2=0x   1	27.3			17.2	•••••	• • • • • • • •			• • • • • •	15.1	43.8	5.9	93
J:−05	26.7			17.6						13.1	43.1	6.3	92
(6-15-1	16.3			23.7						19.6	40.7	6.5	92
59-11	9.4			26.3						24.3	4.64	7.3	92
27-14 1	5.4			24.7						27.5	40.9	7 • 3	93
1:-17 1	0 • 4			. 6.5						24.5	40.1	7.1	92
14-70	10.5			29.6						16.1	77.9	6 • 1	92
_1-23 [	24.0			21.6						15.1	79.3	5.9	92
TOTALS	10.6			23.6						19.4	43.4	6.5	142

STATION NUMBER: 724	194 STA	TICH NAME	: 406	JIRE AFE N	ıJ				OU OF RE	CORD:	78-87		
1,002		· · · · · · · · · · · · · · · · · · ·		PERCENTAGE	FRE GUE	NSY OF T	ENTHS OF	TOTAL 54	4 CUAL	9	10	MEAN	0R 101
···	73.1	• • • • • • • • •	• • • • • •	:	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	12.4	37.3	5.5	84
b*•10 <b>1</b>	1.3			26						12.3	*7.5	5.4	84
/=c4	23.1			23.2						19.1	₹7.6	6 • 2	84
9-11-1	12.5			15 <b>.</b> d						£1.9	40.6	6 • 8	84
1, -14 }	1.3			26.9						71.9	41.9	7.3	84
1 -17 1	4.5			~1.5						24.7	79.0	7.0	84
. 4-27	14.3			71.9			•			15.5	\$8 • 9	6.2	R4.
. 1-23 [	25.9			`						15.J	76.8	5 • 7	84
FUTALS	19.9			24.0						17.9	38+6	6 • 2	675

GEORAL CETMATCHOGY REANCH

#### PERCENTAGE PREQUENCY OF OCCURRENCE OF SMY COVER FROM HOUPLY OBSERVATIONS

ATR MEATHER SERVICE/MAC PERIOD OF PECOPUS STATION NUMBER: 734090 STATION NAME: MCGUIRE AFR NU PERCENTAGE FREGUENCY OF TENTHS OF TOTAL SKY COVER FOURS 1 101 3 •5 7 9 19 HEAN ٥в 95 13.4 30.1 16.6 5.6 5.7 92 17-05 1 ?# • **3** 10.7 14.1 38.9 15.7 26.3 17.9 78 . 4 6.3 92 16-69 1 02-11 | 22.6 18.5 6.7 92 11.9 26.4 40.J 7.1 92 27.1 25.2 12-14 1 7.5 76.7 93 7 • J 15-17 1 7.5 26.2 27.3 9.2 15.0 26.6 22.2 35.0 6.4 12-20 1 5.9 92 22.4 14.5 39.2 21-23 1 24.1 20.3 743 TOTALS 1 6.3

STATION NUMPER:	774096 0	TATION WAME	: 40 GU T	RE AFR N	J				OF RECO	) FU:	70-87		
F7LRS (LST)		1	P (	R CENTAGE	FRL JUL	NCY OF TE	NIPS OF	7 7	r CO¥fR 3	9	17	мели	101
20-02	25.1			^( <b>4</b>			• • • • • • •	• • • • • • • •		13.7	39.7	5.8	99
27=25	J 26	)		26.5						12.3	41.5	5 . 6	89
<i>"6</i> = ^ 3	1 14.4	•		23.2						22.1	40.3	6.7	891
09-11	1 13.0	•		20.3						26.)	36.5	6.9	89
12~14	1 5.	<b>.</b>		2.3						33.4	77.0	7.2	8 9
14-17	1 7.	1		33.5						29.9	76.9	7 • 3	891
123	1 3.	,		34. 3						21.9	₹8.2	6.7	93
21-23	1 21.	7		÷3• 7						14.6	19.8	6.3	89.
TOTAL 3	1 15.	2		24.4			,			71.4	37.5	6.6	717

GLOCAL CLIMATOLOGY BRANCH OSAFLTAC AIR MEATER SERVICE/MAC

## PLRCENTAGE FREWENCY OF UCCURPENCE OF SKY COVER FROM FOURLY HUSERVATIONS


STATION NUMBER:	774795	\$74110	I JAME:	₩C GU IR	FAFE	17				OU OF AI Th: May	: GQVD	79-87		
F0LPS (UST)		ำ	1	P [ H	CENTAGE	FRELUE!	NCY OF	TENTHS OF	TOTAL 5	KY COVE	9	1^	wf &\	101
39-72	1 2	3.5	• • • • • • •	• • • • • • •	19.6		• • • • • •	• • • • • • • • •	•••••		16.3	43.3	6.1	16
0.1-05	1 :	7.2			23.0						19.4	40.5	6.5	91
_6~^8	1 '	9.7			24.5						23.9	41.9	7.1	92
39-11	•	5 • 2			27.7						28+3	*7.3	1.2	92
22-19	1	2 • 7			25.1						32 - 4	39.5	7.6	93
15-17	1 3	2.5			28.1						15.4	*4.1	7 - 4	<b>\$</b> 3
.4-20	1	٤٠٤			32.5						24.4	*4.3	7+3	93
21-23	į 1·	4.9			¿6.3						18.7	48.1	6 • 3	92
TUTALS	1 1.	J.2									75.5	*4.3	6.9	741

STATION NUMBER:	724196 ST	ET LON HAME:	: MC GU	IRF AFE F	IJ			MUM.	DD OF FE TH: JUM,		7=-#7		
คดบคร (ES1)		1	P I	ERCENTAGE	FAE WLE	NCY OF T	ENTHS OF				10	we a v	101 06
re=t2	27.2		• • • • • •	24.5	• • • • • • •		• • • • • • • •			16.8	31.4	5.4	87
0.3=4.5	16.5			28.6						23.5	*1.5	6 • 1	8 7
2.€ <b>-</b> 17.E	12.7			24.3						26.6	72.4	6 + 5	87
0% <b>-11</b>	6 • 3			21.9						27.7	*2.2	6.7	8.6
12-14	i 2.5			, t						14.9	79.9	7.1	89.
1 - 17	2.9			22.9						34.6	79.6	7.1	891
18-76	l 6.4			76.2						27.9	29.6	6.5	89
21-23	1 22.4			8006						15.4	70.5	5 - 5	891
TOTALS	12.4			1			•			26.0	3.1.9	6.4	708

CLOPAL CLIMATOLOGY BRANCH CSAFETEC ET- ESATHER SERVICEMMAC

#### PERCENTAGE FRENCHICY OF OCCURRENCE OF SKY COVER

STATICA NUMBER: 724051 STATICH NAME: MCGUIKE REP NO PERIOD OF PECUFO: MONTH: JUL PERCENTAGE FREGLENCY OF TENTAS OF TOTAL SKY COVER 000E5 | (LST) | 101 3 2 t₄ ۲. 7 6 Q ОВ .7-62 1 90 32.4 26.5 22.0 27.4 5.7 67-05 T 16.5 16.4 23.4 30.3 6.3 90 LF-08 1 12.3 12.3 20.6 7 . 0 6.2 90 09-11-1 6 • Ł 34. € 12.6 26.1 6.5 91 10-14 1 2.4 37.2 26.2 7.0 9.3 37.6 24.0 38.1 6.9 92 1--20 1 2.1 37.4 32.5 26.5 6.7 91 . 1-25 1 16.1 74. P 12.0 27-1 5.7 90 TOTALS I 10 - 1 73.4 731 STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ FERIND OF SECORD: MONTH: ACC PEPCENTAGE FREGUENCY OF TENTHS OF TOTAL SKY COVER FOUFS 1 101 3 ILST) 1 17 7 ML AN 06 .... :4.6 96 11.8 21.3 5.8 17-65 1 14.6 .4.4 15.3 21.2 6.2 90 1----20.4 12.9 27.4 89 6.6 J=11 1 1.3 31.5 15.0 25.6 91. 17-14 1 . 4 4.5 76.8 92 10-17 1 . 3 15. .. 10-20 1 5.9 ٤٠٠ 11.3 26.2 1-01-4 1102 1.: 23.9 26.9 5 . 8 11.7 TOTALS 1 730. 28.8 6.5

GE MAE CLIMATOLOGY BRANCH BSAFLTAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY DOSCRYATIONS

STATION NEMBER: 724	1996 STAT	IION IPME	.: 4C 6J I	RI AFR N	J				U OF RE	CORD:	77-86		
• • • • • • • • • • • • • • • • • • • •	••••••	• • • • • • • •	P.	W.C. Y.TALF	E DE COURS	CY OF 16	* * * * * * * * * * * * * * * * * * *	TOTAL SK		• • • • • • •	••••••	• • • • • • •	•••••
F0005   (LST)	7	i	2		•	5	•	7	*		10	MEAN	0 B 1 O L
a %03 1	31.4		• • • • • • • •		• • • • • • •	•••••	• • • • • • •	• • • • • • • •	• • • • • •	13.6	72.3	5.1	87
37-05 1	27.3			27.0						14.6	71.1	5 • 2	P 6
. A.=C8   1	14.3			*C+ 9						25.4	79.9	6 • 2	86
22-11 1	:3.2			31.9						11.5	26.9	6 • 4	8 8
17-14 1	5			76 <b>-</b> 3						34.1	74.5	6 • 6	8.9
16-17 1	5.9			't. t						34.2	73.3	6.5	89
19-29 1	12.8			16.4						24.3	26.3	5.9	89
21-23 1	29.5			25.1						19.0	26.2	5.1	8.8
										74.6	27.5	5.9	706
TOTALS	17.3	• • • • • • •	• • • • • • • • •	36.9	•••••	• • • • • • • • •	• • • • • • •	• • • • • • • •					
TOTALS I		TIGN NAME		• • • • • • •		• • • • • • • • •	• • • • • •		ն ՄԲ ԲԷ Ե: ೧ԸՐ		77-46	•••••	
***************		TION NOT	: MC 6U 1	AF AFP №	J		NTES OF	MANT	F: 0CT	CORD:	• • • • • • • •		
***************		• • • • • • •	: MC 6U 1	RE AFR N	J FRE QUEN	CY OF TE	NTHS OF		F: 0CT	CORD:	• • • • • • • •	we av	101
STATION NUMBER: 729 FOLES   (UST)	7397 STAT	1	: MC 6U I	RE AFH N RCENTAGE	J FREGUEN	r	G	MODAL SK	F: 001 Y COVIE	CORU:	77-#6 10	we a v	101 HO
\$ TATION NUMBER: 775  FOLIS   (151)	7 27-9	1	: MC 60 I	RE AFR N RCENTAGE 3	J FREGUEN	r	G	HONT TOTAL SK	F: 001 Y COVIE	COWU:	77-46 10 75-0	₩£ AN	0H 101
STATION NUMBER: 729 FOLES   (UST)	7397 STAT	1	: MC 60 I	RE AFH N RCENTAGE	J FREGUEN	r	G	HONT TOTAL SK	F: 001 Y COVIE	CORU:	77-#6 10	we a v	101 HO
\$ TATION NUMBER: 775  FOLIS   (151)	7 27-9	1	: MC 60 I	RE AFR N RCENTAGE 3	J FREGUEN	r	G	HONT TOTAL SK	F: 001 Y COVIE	COWU:	77-46 10 75-0	₩£ AN	0H 101
ETATION NUMBER: 775  FOLES   (157)    -7-02   -7-75	27.9 27.9 27.9 29.2	1	: MC 60 I	RE AFR N RCENTAGE 3 20+4	J FREGUEN	r	G	HONT TOTAL SK	F: 001 Y COVIE	16.7 16.3	77-46 10 25-0 35-1	™E AN 5.6 5.5	701 0H
STATION NUMBER: 775	7 27.9 27.9 29.2 15.9	1	: MC 60 I	RE AFP N RCENTAGE 34 JG.7	J FREGUEN	r	G	HONT TOTAL SK	F: 001 Y COVIE	16.7 16.3 75.3	77-46 10 75-0 35-1 70-4	με ΑΝ 5 • 6 5 • 5 6 • 2	701 0H
STATION NUMBER: 725	27.9 27.9 29.2 13.9	1	: MC 60 I	RE AFP N RCENTAGE 3 20-4 35-7 70-4	J FREGUEN	r	G	HONT TOTAL SK	F: 001 Y COVIE	16.7 16.3 75.3	77-46 10 75-0 35-1 70-4 26-4	**E AN	707 0H 91 91 92
ETATION NUMBER: 775  FOLDS   (157)	27.9 27.9 27.2 13.9 2.9	1	: MC 60 I	RE AFP N RCENTAGE 34 JG.7 74 13.7 76	J FREGUEN	r	G	HONT TOTAL SK	F: 001 Y COVIE	16.7 16.0 25.3 73.3	77-46 10 75-0 35-1 70-4 26-4	™E AN 5.6 5.5 6.4 6.9	101 0H 91 92 92
ETATION NUMBER: 775  FOURS   (157)    27-02    27-05    27-11    17-14    17-17	27.9 27.9 29.2 15.9 3.9 6.0 7.5	1	: MC 60 I	RE AFR N RCENTAGE 3	J FREGUEN	r	G	HONT TOTAL SK	F: 001 Y COVIE	16.7 16.3 75.3 73.3 34.2	77-46 10 75-0 35-1 70-4 26-4 79-2	MEAN 5.6 5.5 t.2 6.4 6.9 6.8	701 0H 91 91 92 92

STREAT CLIMATOLOGY BRANCH SAFETAC FIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF UCCORRENCE OF SKY COVER FROM FOURLY OUSERVATIONS

STATION NUMBER: 724986 STATION WAME: MCGUIRE AFR NU PERIOD OF PECURO: MONTH: NOV PERCENTAGE PREQUENCY OF TENTHS OF TOTAL SKY COVER FOLRS 1 101 ILSTI I n 3 9 10 MEAN 08 6 16.9 98 U3-02 T 14.9 42.1 6.1 26.3 03-05 1 86 17.9 12.5 44.0 25.6 6.1 J6-06 | 12.6 25.8 21.7 39.6 6.7 84 11-11 8.9 25. 9 39.3 89 17-14 1 7.2 24.6 29.4 18.8 7.3 9 U 90 15-17-1 1.3 26.0 20.7 A S 19-20 1 41.4 16.4 21.6 6.6 21.2 16.9 41.1 6.2 85 21-23 | 21.3 TOTALS | 21.3 40.0 6.7 715 PERIOD OF FECORU: MONTH: DEC STATION NUMBER: 774296 STATION NAME: MCGUTHE AFB NU PERCENTAGE EREGLENCY OF TENTES OF TOTAL SKY COVER HOUPS | (LST) | 101 3 r, 6 7 10 MEAN 1 06 . *=n2 | 1 . . . . . . . . . . . . . . . . 92 13.5 42.1 5.9 29.3 15.0 51-05 1 20.3 17.3 42.3 £.3 92 65-58 P 15+1 15.2 23.9 \$H.9 6.5 92 1/211 4 . 3 26.5 23.7 41.6 7.1 93 1 1-14 1 92 49.2 7.1 5.3 . . . . 24.7 1:-11 38.9 92 1.2 7.0 . 4. 7 24.2 13-22-1 19.2 4.7 6.2 92. 11-73 ( 16.9 47.3 6.3 92 20.00 15.5

CLUBAL CLIMATOLOGY BRANCH COMPLIAC AIG WEATHER SERVICEMMAC

## PERCENTAGE FACILITY OF OCCURRENCE OF SKY COVER FROM FOURLY OBSERVATIONS

3 TAT 10%	ANWAFE:	7.7409	6 511	TICH NAME	: 4C GU	IRF AFR	117				DD OF RE Th: All	LCORD:	77-87		
	HOURS		• • • • • •		P	PCENTAGE	FREQUE	NCY OF I	ENTES OF	Z JATCT	KY COVER	?	• • • • • • • •		
	(LST)		)	:	2	3	4	5	6	7	A	9	10	MEAN	101 101
JAN	ALL	i	10.6	• • • • • • • • •		23,6	• • • • • • •		•••••••	•••••	• • • • • • •	19.4	40.4	6.5	742
ri.		l	18.9			24.6						17.9	38.6	6 • 2	675
407		Į.	17.6			24.5						19.6	38.3	6 • 3	743
APS		j	15 • 2			24.4						21.4	39.0	6.5	717
4 % <b>y</b>		ı	13.2			26.1						25.5	78.3	6.9	741
43%		J	12.4			36.7						26.3	13.9	6.4	708
JW		j	10.1			23.4						29.6	77.0	6 • 4	731
10%		i	13.7			10.5						71.6	29.9	6.5	730
5.F		l	:7.3			76.9						24.6	27.5	5.9	706
act		i	17.4			27-1						25+6	29.8	6 • 1	738
*45.4		ı	15.5			22.5						21.3	40.6	6.7	715
ə. Ç		1	17.1			23.4						13.3	40.7	6.5	741
	TOTALS	i	14.7			26. á						23.3	75.3	6.4	8691

```
PPPPPPPP AAAAAAA RRRRRRR ITITITIT EEEEEEEEE
PPP PP AA AA RRRRRRRR ITITITITI EEEEEEEEE
PP PP AA AA RR RR IT EE
PPPPPPPPP AA AA RRRRRRRR IT EEEEEE
PPPPPPPPP AAAAAAAAA RRRRRRRR IT EEEEEE
PP AAAAAAAAAA RRRRRRRR IT EEEEEE
PP AAAAAAAAAA RRRRRRRR IT EEEEEE
PP AAAAAAAAAA RR RR RR IT EE
PP AA AA AA RR RR IT EEEEEEEEE
PP AA AA AA RR RR IT EEEEEEEEEE
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E - 1 - 1

#### TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHELT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAMRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE MOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

#### EXTREME MAXINUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST ILONEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERIST INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS COMBINEDI.

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE MUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

STOCAL CLIMATELOGY FRANCH CSAFETAC AIN WEATHER SERVICEZMAC

## COMMITATIVE F ACENTAGE OF OSCURPLINGE OF MAXIMUM FEMPLICATURES.

TEMPERT		# t 11	**	4 6 9									
11 = 11 11	Je te	*1 (*		414	MAY	409	بالار	4116	,	001	N C: V	DFC	ANNUAL
U 1 14	• • • • • • •	• • • • • • • •					• (	. 1		• • • • • • • • •		•••••	.1
Cr Gri							4.6	2 • *	. 6				, ?
71 A L					1.5	1 :	72.0	14.1	4.9				4.7
61 +14			• 3	. ••	* • •	1 7		41.5	14.5	1 - 1			11.7
· * · 1			• (	°, . U	21.J	' n . 4	A 7	72	74.0	6 + 1	. 6		. 1.4
(1 75)			2 + 5	11 . 7	43.5	77.5	9.00	*1	" n • 5	17.5	1.9	• 3	33.7
1 + 7 1	• 1	. 4	\. • U	22.40	6C.3	91.43	* • • I	UR. W	74.7	€5, 4	6.4	• 5	41.5
1.5 (5)	1. "	2.1	د د	25 . 7	11.3	51.1	175.5	30°€	12.5		16.0	1	44.1
CH EFT	4.4	5. • F	2.00	53.7	P4.6	***		1,73.0	36.4	75.49	17.2	7.4	57.1
t 5.64	***	11.7	10.45	75 44	97.1	110.0			10 H	Su. 5	44.6	. 4 . 5	£ 4 . ?
24	1		41	. 7 .4	9.				1 16.0	97.5	67.9	• · • ti	71.4
A 451	*6	14.7	65	· t	44					19.4	34.4	* • 0	78.9
() 4 1	9 1 . 2		71.5	·9 • ;						49.9	45.7	(	56.43
Cr. f.r	1 11 4	74.	9:09	.4.4						1000	18.7	; H . H	45.4
SF 774	. 7	4 + 4	0	1							34.4	5.J.	64. **
	-1.2	71. E	57.8								1.2.5	66.7	<b>⊊ = .</b> (.
at at	211	46.6										<b>∀</b> • €	66.6
1.1	76.1	72.7										C 4 * *	40.0
11 4 1	1.4	19.0										ت • ل ا ا	150.0
	1 ( • 1	: • (											167.7
11.75		41.3	· · · · · · · · · · · · · · · · · · ·	(1.4	71.5	F	°4 . 1	# 3 • T			54.5	42.8	66
'. 1	1 4 . THE T		11.197	10.50	9.187	7 + h 5 4	5.369	fi. CA.	a., yo.1	<b>₩.</b> 6#+	1.6 14	13.421	1 P. + 66
refficient	: ′ ′ .	1 11 4	1 . 13	1010	13"?	1. + 1	13 .		1.1	1333	1. # 7	1331	35539

CLOSAC CEIMATOLOGY FRANCH OSAFFTAC FTG W ATHER SERVICEZMAC

## FLUCTURE TO THE TEMPERATURE OF OCCURRENCE OF MINIMUM TEMPERATURES.

TIMPIFIL	JAN	ffe	₩ A H	A PH	MAY	JLV	JIL	ALL	SEP	661	NOV	DEC	ANNUAL
		• • • • • • •	• • • • • • • •	<i></i>				• • • • • • • •					•••••
u( 75 )						_ • 6	2.8	2.0	. 3	- 1			. • 5
6t, 7 t					• 4	7 • 3	20.0	23.1	6.4	. • •			5.5
UE / * ]					2.9	4	64.3	52.7	19.9	1 • 7	• 6		17.0
ut est			• •	• • •	13.5	• 6 • 7	R3 • M	79.4		7 . 2	1.3		23.6
id 51	- 1		. !	5 - 1	31.7	51.0	37.7		42.1	17.4	4.2		32.R
WE 171	• 5	• ",	- • -	12.45	55.5	94.,	170.0	94.1	* 2 . 3	35.0	9.3	1.4	41.1
51 451	. 4	1 • 1-	5 • •	11.2	41.4	94.0		44 * €	14.1	5.7.4	10.6	3 • 5	49.5
J. 41	4.	4.7	: 7 . 3	17.3	95.5	1000		170.0	76.7	79.1	76.3	14.1	5 A . A
68 254	1.7.4	:4.7	15.7	90.9	49.6				130.0	93.2	57.6	4	66.7
GF 731	17.1	1.3	47.0	H1.1	99.8					96.2	68.7	. 9 . 3	72.5
97 374	27.9	74. 1	50.0	94.9	100.0					.8.9	02.9	45.7	74.7
of att	47.5	5.5, 6	94.4	45.5						150.0	95.0	14.6	ø7•?
الأند عنوا	6 1. 6	74.5	32.00	49 .Q							79.4	10.0	95.0
GC 154	4 5 - 2	a 7. i	94.6	170.0							100.0	51.4	96.7
14 134	2,7.9	95.7	99.1									47.5	94.4
1.5 51	1.1	26.1	• " - • - •									¢ \$ . 5	99.6
<i>0</i> + 1	9.4.7											e 0 • W	99.9
JF - 54	77.9	1 3.0										113.5	101.0
a -1 1	1 ^ ;• u												100.0
	,,,	70.4	3, 4	41.1	51.0	10.5	45.P	44.5	57.2	46.5	57.2	. 7 . 7	44.4
1	9.57.	9.361		7.399	7.051	6	5.576	5.970	7.955	4.441	H . 4 F }	4.399	16.712
1,176 065	1.5%	1 4	1555	1210	131	1450	1392	1.193	1284	1333	1257	2 5 3 3	15534

CLOBAL CLIMATOLOGY BRANCH GEATTEAC ATRIMEATHER SERVICEZMAC

## CUMULATIVE PURCENTAGE OF OCCURPENCY OF MEAN TEMPERATURES FROM SUMMARY OF DAY DATA

STATION NUMBER	724096	•••••	STATION	MAME :	MIGUIRE	AFB NJ				PERIO	D OF REC	ORD: 42-	46, 4F-R7
Tt MP4F1[	NAL	Fto	ман	A FR	MAY	JUN	JUL	AIIG	58.P	001	NOV	DEC	ANNUAL
01 3"1	• • • • • • •	• • • • • • • •	• • • • • • •			•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•0
u£ 65]						. 5	5 . 1	1.4	• 5				٠,5
uE 67)					• 5	h • 7	73.4	16.7	4.6	• 2			4.5
<b>Ն</b> ೯ 75				.2	3 • ₽	70 - 1	56 • 8	47 • C	17.2	1.2	- 1		13.3
Ut 701			• 4	2 • 4	15.7	( • e )	87.2	78 • C	35.4	5.0	• 5		23.4
ül. (5)			4.1	7 -1	34.0	90.6	98 . 7	95.6	61,2	15.5	2.2	. 1	32.9
üF €"↓	• 2	• :	2.1	.6 ⋅8	60.8	ç j	1 10 + 0	99.€	94.1	15.2	6.4	. 6	41.9
61 551	1.2	1.4	0.5	12 • 1	82.4	99.5		170.0	95.6	58.0	16.2	2.3	49.5
ur 5 <b>↑</b>	3.6	4.4	17.7	57.5	95.9	100.0			99.1	80.0	33.1	7 • 2	5 F + 2
61 451	4.7	11.0	32 - 4	ۇ . نى ئ	99.5				10.0	94.5	55.2	16.7	66.4
of 4~[	19.6	24.7	55.9	94.3	103.5					98.6	77.6	32.4	75.3
o. 351	16.5	45.5	79.4	48 • 6						100.3	92.9	52.1	8 * • 7
£1 17	53.6	67.1	92.5	93.9							98.5	74.4	90.9
of 251	*r. , 7	84.3	97.7	100.0							40 * B	F7 . 2	y c . 4
6F <u>•</u> ^1	9 4. B	74.2									173.0	45.4	98.1
ы€ <b>1</b> 5↓	39.6	79.4	.73.3									99.1	99.4
GF 191	₹8.9	94.5										69.8	60.0
UE T	44.8	100.0										110.0	100.0
64 24	113.0												100.0
MI MI		33.5	41.4	51.5	61.6	70.7	75.5	73.6	46.9	56.4	46.1	35.4	53.7
•	9.700	9.212	1.17.	8 . 1 36	7.319	0.468	5.340	5.420	7.417	7.877	8.424	9.418	17.375
TOTAL ORS I	1332	1714	1333	12.60	1302	1260	1302	1293	1289	1333	1297	1333	1553A

R FAR CETHATOLOGY PRESCH PLATETAC 117 ASATHER SERVICEMAC

#### CXTHEM! VALUES OF MAXIMUM TEMPERATURE FERUM DAILY (ESCRYMITUMS)

TATION NUMBER: TOUSE STATION NAME: MOSUIPE AFR NU

PENTAG UE RECURD: 42-46, 46-87

1					<b>~</b>		RFES FAH: N=T-H=S=	** 445 1 1					ALL
46.93	144	f 1 ·	424	The to	1* A ¥	JUN	Jul	#U5	e.t.r	001	.10 A	ttc	MONTHS
			* * * * * * * * *	• • • • • • •		• • • • • • • •	• • • • • • •		٠٠٠٠٠	۴1	73	60	
4.5	5 4	6.5	7 J	7 €	43	¥ 7	9.7	3.3	+4	82	10	5.6	9.7
4.4	1,4	. 1	6.7	7 €	2.7	4.3	+ 6	7.7	- 1	9.5	7.2	54	97
4 - 1	غارة	6.3	» 1	£ 4	AA	41	4.6	7.7	5 3	61	* 7 a	Ča	9 €
4.5	-, >	67	7.3										
+ : İ								*44		76	a?	6 P	
		74	7.7	a *	h F	9.6	. ·	9.7	44	A t ₃	7 ~	54	9 5
1	74	6.2	6, F	7 .	-, 4	9.7	¥4	3.5	- 7	H.Ž	87	ود	94
1 1		ta ^N 2	-, 4	9.5	44	٠,	+ 3	9 ?	47	<b>94</b>	7 "	71	9.3
. 1	. *		4.5	5.4	54	4.4	16	<b>4</b> 4	<b>→</b> .?	# €	64	6.5	9.9
1 1	, ,	r.=	3 /	E *	4.5	• 3	1.17	34	107	8.1	1.7	65	เกเ
4 1	11.2	7.4	12	8 4	34	9.7	13	9.3	9 :	5 °	69	6.5	130
. 1	٠, •	. 4	7.1	6:	9.5	~ 1	15%	100	F 4	9.7	13	9.5	100
1			. 4	54	4.9		, ;	9.7	٠,٠	9.7	, ,	6.9	Q.
7 1		-14	7.5	3 -	, ~	47	<b>,</b> €	4.3	<b>०</b> र	76	7.0	e 1	0 1
1 . 1			,	6.3	3 13	9.3	10	4 2	5 11	ь 3	6 °.	56	٠,
· 1	,		7.5	e	э.	4.,	4.7	9.3	4.5	8.8	7 -	5.9	9 (
, [	,	146	1 -	<b>3</b> .	- 3	ن بو	+1	6.5	n 7	6.0	10	o '	3,
1.0			76	44	+ °,	. 4	¥ 1	<b>4</b> 9	ų n	19	A.	5 3	9
· . 1			7	4.7	4 5	F 9	* 5	4.0	m =4	e 3	6 :	6 4	3
	, • .		7 -1	٦.		94.		- 7	86	4.7	7.1	56	9
			7.4	4 :	9.1		4.5	71	÷ 1	7.9	7 3	6.9	9.9
			, .	1 -	પ્ર ₹			c 3	4 ^	77	7 1	6.5	3
1		5.	1	1:	4.4	• •	1.:		ų ž	73	1.5	7 "	17
· / - 1	7.		7.	6.1	+ 1	,,	# 3	4 F	F 5	65	7 ~	6 !	9 (
1	· •	:		3	,		9.7	74	4 م	4.7	7.4	59	q.
	٧.		6.4	8.6	34		, 5	9 ?	3 +	44	12	62	9 (
, ,			, 1	<b>5</b> .1	• *	5.3	, ,	9.3	q t	8.5	6,	54	9.
			, .	7.7	44	4	, ,	11	n +	31	7.2	7 ~	9
1. 1	. 44	. 7	7.3		- 4	,	9.4	5.1		7.3	وه	6.5	9.0

NOTES • (MASSE) ON LESS THAN FILL MONTHST # (AT LEANT ONE CAY (FAS THAN ) + 050)

CONTINUED ON KEXT PAGE....

JEPRAE CEIMATOLOGY BRANCH USAFETAC AIP mEATHER SERVICEZMAC

## EXTREME VALUES OF MAXIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

STATION NUMBER: 1,4096 STATION WAME: MODULE AFR NU

FEMIOD OF MECORD: 42-46, 46-67

					1	HOLE DES							
1						-r-o-	N-1-1-5	-					ALL
Y. AP	7 v.1	fte	M A F	AP L	MAY	JU14	Jul	<b>∧</b> ∪G	c F b	O C T	110 V	E E C	MONTHS
	• • • • • • • •	•••••			• • • • • • • •	• • • • • • • • • •		•••••		•••••	• • • • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •
73	ts <b>4</b>	0.1	12	₹ (	81	57	91	97	94	8.0	76	64	9.7
74	6-3	fi 5	75	6 ¢	91	9.3	<b>→</b> 3	8.9	98	79	8.2	6.2	93
75 [	<i>u 1</i>	97	ວິລ	7 °	89	97	9 (1	3.6	P 1	84	7.8	69	96
75	€.7	1:	14	9.1	8.2	3.2	5.5	93	5.7	7€	66	5 a	9 3
<i>i 1</i>	146	4.3	4 C	9.7	9.0	F 6	9.7	9.2	9.7	75	7.7	56	97
75 1	61	42	1-	# Z	89	2.7	<b>y</b> 5	91	ijε,	- 1	73	69	95
7.2	92		19	7 2	s H	٤ 5	9.0	91	8 <	86	74	6.5	91
! د٠	1, 7	٠.٤	56	7 a	3.3	+5	1J2	97	100	7 0	6.F	6.6	102
1. 1	د د	1.5	7 c.	3.2	90	90	9 र	97	8.5	16	7 1	6.2	93
1.2	6.1	51	66	7.7	85	£ 4	95	эŋ	н 7	8.7	81	74	95
- 5	5.7	1, 7	17.	5 C	8.2	97	97	9.7	107	84	5 R	6.3	100
24	· 12.55	6.3	5.1	7 ?	a 7	c 5	y 1	9.8	9.0	94	6.7	72	95
35	67	7.3	15	9.1	9.7	ε 7	94	3.6	*42	56	74	5.6	96
~ to	5.7	5.2	4 1	7 3	9.3	45	y Fi	91	9 7	8.7	74	5.9	9.8
7	14.	49	16	7 f	9.1	9.4	94						
mean 1	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •	44.5	92.3	60,0				•••••
	9	s 2 • I	12.2	31	67.8	92.7				81.5	72.3	6	96.0
• • •	5 - 21	7 • 9 19	5.753	9 - 45 -	5.636	3.417	7.617	3.250	4.195	1.582	4.755	1.174	2.790
tidat esse la	1332	1714	. * 5 5	1.26 1	1307	1:0%	1752	1293	1,03	1 3 3 3	1287	1233	15538

WITES A CHAPLED ON LESS THAN FULL MONTHS) IN CAT LEAST ONL DAY LESS THAN 24 CEST

SECRAL C: MATOLOGY BRANCH DISAFETAC AIR WEATHER SERVICEZMAC

## EXTREME VALUES OF "IVIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

STATION NUMBER: 704096 STATION WAME: MCGUIRE AFB NU

PETION OF RECORD: 42-46, 48-87

YEAP							REES FAH						
YI, AP							v- T -+ - S -						ALL
	7 V.1	k Fu	MAK	AP #	MAY	JUN	JUL	AUG	SEP	OCT	NOV	CEC	MONTHS
	• • • • • • • •	• • • • • • • • •		• • • • • • • •		• • • • • • • •		• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •		• • • • • • • •
42 1									34.	31	23	- 1	
43 [	1.3	e.	Ú	2 s	36	5.5	5.2	54	43	34	23	10	
44	6	13	12	2 t	4 3	44	5.2	47	41	30	24	7	
95	1	4	24	3 ;	3.8	4.2	5.0	5.2	45	31	* 2 Z	6	
46	10	11	23										
48								<b>*</b> 56	4 ?	31	2.8	9	
49	27	16	16	3.7	4.2	4.6	5.5	55	41	29	5.0	15	1
50 1	19	7	9	24	37	46	54	50	39	33	23	5	
انتر	15	11	2.3	35	3 9	43	57	5 2	37	35	19	7	
52 F	7	17	2.3	3 1	4.2	5.3	эÉ	5.2	46	26	24	13	
53 1	22	16	16	34	45	4 5	5€	56	4.3	35	2 P	13	1
94 1	7	В	22	24	39	49	56	55	45	35	23	15	
55 T	1.3	2	19	3 ?	4.2	50	62	57	45	36	15	7	
55	14	15	19	3 `	35	49	∍€	5.5	39	36	21	17	1
57 !	1	19	23	3 1	35	46	55	5.2	3 2	32	26	12	
58	*7	6	21	2 9	4 )	4.6	60	55	42	34	1.9	8	
59 [	9	d	2.1	3 2	41	5.1	5.5	5,5	41	31	22	ě	
50 I	19	19	13	3 1	38	4 4	5.7	54	49	34	26	6	
01 1	1	-4	1.7	3 1	4.1	5.7	54	5.3	30	30	26	1.3	_
J2 1	11	1	1 3	26	35	4 3	5.3	5.3	₹8	27	2.7	3	
أذه	4	ž	24	2 9	35	5 7	5.2	50	35	3.7	29	Ď	
54 1	b	14	21	19	3 Q	45	54	50	4.3	3.0	ie	14	
65 1		7	16	2 t	44	4.7	5.7	47	41	27	24	15	
36 T	6	ь	Ž0	21	31	44	56	56	4 3	25	24	13	
67	12	,	- 8	2 4	38	4.7	5 6	63	3.0	3 C	22	14	
53		7	16	2.0	41	5 7	53	53	46	32	5.0	13	
69 j	12	14	. 9	ži	41	5.7	96	55	44	25	19	15	1
73		c,	2.7	26	36	52	5.6	57	42	33	19	13	•
71	6	0	2 2	28	40	<u>. 1</u>	52	50	46	43	24	18	
72	6	1-	19	25	37	42	54	49	44	28	21	18	

NOTES * (BASED ON LESS THAN FULL MONTHS)
# (AT LEAST ONL DAY LESS THAN 24 G6S)

CONTINUED ON NEXT PAGE....

USARILIAC LIMATOLOGY DRANCH EXTREME VALUES OF MINIMUM TEMPERATURE USARILIAC (FROM DAILY OBSERVATIONS)
ATR WEATHER SERVICE/MAC

STATION NUMBER: 724796 STATION NAME: MCGUIKE AFB NJ

PE 100 OF PECOPD: 42-46, 48-87

						MHOLF DEC							
1						-M-0-	- N - T -H - S						ALL
YEAP	NAL	FEB	#AR	AP F	MAY	JUN	JUL	A U G	< € b	001	NOV	CEC	MONTHS
		• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	••••••	• • • • • • • • •	• • • • • • • •		• • • • • • •	• • • • • • • • •
73	10	6	25	3 C	39	55	26	5 7	4 7	34	2 3	11	6
74 [	9	4	i 9	2 0	3.6	5.7	5.3	54	37	27	22	2 1	4
75 [	12	15	19	2.7	38	4.8	55	5.5	42	25	29	15	1 2
⁷ 6	4	3	21	28	3 F	45	5.3	42	4 C	28	19	R	4
77 1	-1	?	23	2 7	3.8	46	51	52	4.5	35	27	12	- :
78 I	10		14	3.3	3.4	4 4	5-3	62	3 9	34	29	17	t
79 1	7	-2	2.0	29	41	47	5.3	49	43	32	27	19	- :
<3 1	10	1.5	15	2.9	41	47	56	6.0	4.1	34	25	5	9
71 l	-:	12	£3	3 1	37	5.2	54	5 3	45	34	26	15	-
84 1	-4	16	20	2.3	44	5.3	55	44	47	31	23	13	
- 3	1.7	٤	24	3.0	37	50	56	56	4 9	29	29	2	
£4 1	-8.	13	9	3 ^	3.9	45	56	5.2	41	36	23	2.2	-
65 J	"	14	26	27	39	47	56	5.2	±46	3 3	3 1	8	
-6 !	7	1	13	67	35	45	5.5	4.7	4.2	36	7.8	1.5	
: 7 1	1	n	21	3.2	47	49	5.7						
MEAR I	7.3	٠٠٠٠٠٠	18.2	23.3	38.8	40.3	54.9	52.9	42.0	32.0	23.7	11.3	4.
· 6. 1	6.163	5.627	5.077	3.67€	2.970	3.133	2.555	4.091	3.768	3 - 735	3.789	5.401	5 • C 3
AL 085 L	1 3 32	1214	1333	1265	1352	1762	1302	1293	1789	1333	1287	1233	1553

NOTES * (HASED ON LESS THAN FULL MOUTHS)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLUGAL CLIMATOLOGY GRANCH LSAFLTAC ALP HEATHER SERVICEMMAC CUMULATIVE PERCENTAGE FPEQUENCY OF OCCUPRENCE FROM HOURLY ORSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFR NJ PERIOD OF PECOPO: 78-97 MONTH: JAN MEAN | TOTAL | MONTH | FOURS | PERCENTAGE FREQUENCY OF PELATIVE FUMTUITY GREATER THAN 1 1 10% 20% 30% 40% THUMIDITY! OBS ! 6.3% . . . . . . • • • • • • • • • • • • • JAN 1 20-02 1 100.0 84.9 41.9 12.5 69.3 19.5 95.8 64.4 25.3 931 100.0 100.5 100.0 924 73-75 99.8 96.8 37.2 66.4 44.2 27.1 13.0 67.1 27.9 97.1 88.6 46.7 10.9 67.8 925 16 - U a 100.0 100.0 99.7 70.7 19-11 100.0 100.0 29.7 94.4 75.7 54.1 33.9 21.0 12.5 64.6 931 12-14 133.3 100.0 97.5 84.9 58.7 38.7 25.2 16.7 9.4 58.6 925 130.0 100.0 48.0 94.9 59.7 37.5 25.7 18.5 9.1 58.9 93( 15-17 16-27 1:0.7 100.0 99.R 94.1 51.1 9.9 924 81.5 60.4 66.7 93{ 21-23 1 35.0 100.0 39.6 95.1 92.9 76.7 13.8 65.2 1436 100.0 100.0 55.2 36.1 22.5 LIGIALS 1 99.2

SENIAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE RELATIVE FUNIDITY
ASSETTAC FROM HOURLY OBSERVATIONS
ATA ALATHER SCRVICEZMAC

STATE	0% NOMBER	t: 724596	STATION	.AME:	MCGUIRE 4	FB NJ				PEPIDD OF MONTH: FEI		18-87
	100RS     (LST)		P _E :	RUENTAGE	FILE CUIENC	Y OF REL	LATIVE HI	MIUIIY			MEAN     RELATIVE!	TOTAL I
		:33	268	31	403	56%	6 J \$	7.2	85%		YTIGIMUH	
F4.13	ן 1 בט-גי	160.0	133.0	135.0	97•R	85.5	63.7	46.6	29.6	14.5	69.6	846
	3-75	143.7	133.9	100.0	9 7.8	89.6	66.3	47.3	32.3	15.2	70.7	848
	   'o=^=	130.n	1 10.0	130.0	9 1 • €	91.1	67.1	46.7	32.6	15.2	71.7	846
	. →-11	177.5	100.0	39.5	92.2	71.3	47.4	31.9	23.3	11.3	63.3	846
	; ; 12-14	1 10.3	130.0	97.5	81.1	51.0	32.4	22.6	16.2	4.9	56.6	845
	] ! 15-17	130.0	100.0	95.0	77.5	47.9	33.7	24.0	16.1	7.5	55.9	841
	   18-23	1 17.7	133.0	99.5	91.€	69.4	45.7	33.2	22.6	17.2	62.8	84€
	   1-23	190.2	193.0	130.0	96.4	80.8	57.2	41.3	26.6	12.5	67.3	845
	I Totals	100.0	100.0	29.1	91.8	73.2	51.7	36.7	24.9	10.0	64.7	6766

GENERAL CLIMATOLOGY BRANCH ... AIR WLATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FROM MOURLY ORSERVATIONS

RELATIVE FUMIDITY

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFE NU

PERIOD OF PECOPO: MONTH: MAR AAP I nu-uz 1 95.6 107.7 100.0 39.9 85.1 68.7 49.9 34.4 15.7 77.5 938 ^3÷J5 | 100.0 100.0 99.7 97.7 86.9 72.7 55.7 37.4 16.5 72.4 931 76±68 100.0 100.0 59.6 96.6 85.1 51.1 34.6 15.9 73.8 93[ 19-11 177.0 49.9 ,6.0 83.5 60.2 42.7 18.2 9.7 59.6 93( 12-14 130.0 38 · ø 42.5 A . C 53.2 936 30 . F 55.4 42.7 R . 9 15-17 130.0 62.7 32.5 22.2 15.7 52.4 931 10-23 130.0 29 - 7 95.2 8 3 . 2 51.2 43.7 29.9 15.9 17.7 60.0 724 60.1 31-23 İ 79.9 27.4 67.2 100.0 100.0 99.3 95.1 41.2 13.3 93[ LIDIALS 1 100.0 99.6 95.4 84.6 68.0 52.0 37.7 25.3 12.3 63.2 7435

SESTAL CLIMATCHORY SHANCH STREETAL ATTER SERVICE/MAC

CUMULATIVE PERCENTAGE EPEQUENCY OF OCCUPRENCE FROM HOURLY OBSERVATIONS

RELATIVE FUMIUITY

STATION NUMBER: 774096 STATION NAME: MCGLIRE AFB NU PERIOD OF RECORD: MONTH: AFR 18-67 MONTH! HOURS ! BOT 90t ((2)) 53% 63% 73% [HUMIDITY] OBS | 192 | 73-32 130.0 100.0 99.7 97.2 88.7 74.2 55.6 35.4 72.4 93[ 73-35 190.0 100.0 99.7 91.9 61.7 63.6 42.8 75.5 931 107.0 ..P-C# 9 7 • D 87.6 74.7 54.7 130.7 100.0 99.3 35.6 16.7 72.4 930 19-11 130 - 2 79.7 94.0 77.7 59.9 41.3 29.3 17.8 17.0 900 59.9 12-14 84.4 42.9 22.1 6.3 100.0 39.1 65.7 31.3 14.7 51.9 901 15-17 100.0 99.2 17.7 58.1 43.6 32.7 21.2 14.8 7.7 51.3 930 18-21 23.9 10.3 99.4 93.0 74.9 59.9 44.4 59.3 956 130.0 31.4 1 21-23 100.0 99.8 98.4 91.7 19.7 64.9 47.7 27.9 12.2 68.1 900 ITOTALS ! 99.7 93.4 82.3 67.4 45.6 12.0 720L

GEORAL CLIMATOLOGY BRANCH GSAFETAC AIR WLATHER SERVICEZMAC CUMULATIVE PERCENTAGE FPLOUTINGY OF OCCUPRENCE FROM MOURLY ORSERVATIONS

RELATIVE HUMIDITY

STATIO	ON NUMBER	R: 72479E	AOITATZ	NAME:	MCGUIRE 4F	LN 9				PERIOD OF MONTH: MA		°-87	
	FOURS	•	Ρį	HCENTAGE	FRE CUENCY		ATIVE FU		GREATER	THAN	MEAN    RELATIVE	101/L MUM	
		103	201	342	4C \$	5.3%	63%	7.3%	801	٩ũ <b>٤</b>	HUMIDITY		1
"A Y	   hg=da	l igg.a	1⊍າ•ເ	160.0	99.6	95.5	05.6	67.3	43.5	17.3	77.3	93(	
	3-65	100.5	100.0	100.0	. 100.n	97.4	91.3	74.6	51.4	20.5	79.4	938	
	1 '6-64	1   140.7	100.0	99.0	98,5	91.2	77.3	63.7	38.9	13.7	73.9	931	
	79-11	Lucia	40.0	90.€	87.5	62.8	45.5	31.5	17.7	3.9	60.1	93(	
	12-14	100.0	100.5	₹0.6	67.3	46.2	30.9	20.5	11.9	3.7	52.7	93[	
	15-17	i tar.a	99.P	47.5	64.6	45.6	31.5	22.0	10.5	2 . P	51.9	93[	
	16-23	1 20:- 3	163.0	×6 • 1	8 3 • 1	65.7	49.7	32.1	18.5	5.4	61.0	926	
	71-23	i ibr.n	1 35 • 0	150.0	97.5	88.2	74.5	54.5	35.6	11.5	72.3	936	
	  TOTALS	1:0.2	100.0	y6.5	8f.6	74.1	42.7	45.1	28.5	٥.6	66.3	7431	

CLEONE CLIMATOLOGY FRANCH O'SFETAL FIR WEATHER SERVICEZMAC

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FROM HOUNLY UBSTRUATIONS

RELATIVE FUMIDITY

5 TAT 1	OR NUMPER	: 724096	4911415	MAME :	MC GL IRE AF	B #J				PERIOD OF		9-87	
n on Tr	] FOURS   ! (LST)   	PERLENTAGE FRECUENCY OF RELATIVE HUMIDITY GREATER									1014L     NUF		
		103	20%	7.u2	4C %		60%				HUMIDITY		
Juh	   13+82	160.5	170.0	150.0	y c. 7	97.1	89.1	72.0	44.7	14.4	77.7	89F	
	1 73+05	180.0	163.0	150.0	19 C+ G	99.7	94.1	50.6	54.2	17.8	90.7	995	
	1 76-79	133.0	156.0	133.0	99.4	95.1	€2.9	62.8	34.2	13.4	74.6	93[	
	;   19-11	±93 • €	106.0	39.6	91.3	73.4	45.7	21.1	14.7	2.4	67.9	3E 9	
	12-14	100 • 0	100.0	96.1	76.2	46.3	27.1	15.7	8.9	2.0	53.1	93(	
	15-17	170.0	190.0	94.3	11.6	44.6	29.3	16.4	12.2	2.9	53.0	93[	
	   18-27	100.0	100.0	9 à • ₽	8 9 . 4	70 • 4	47.9	31 • 1	15.7	5.2	61.8	93(	
	21-27	100.0	100.0	136.0	96.8	92.5	79.4	55.4	33.9	9,0	73.0	895	
	I I fotals I	100.0	100.0	98.6	90.6	77.0	51.9	45.4	27.9	Я.4	66.9	719E	

STUPAC CLIMATOLOGY BRANCH USAFETAC 414 REATHER SERVICEMAC CUMBERTINE PERCENTAGE FREGURNCY OF OCCURRENCE FROM HOURLY URSERVATIONS

RELATIVE FUMIDITY

STATION NUMBER: 724196 STATION NAME: MCGUIRE AFB NU

PERIOD OF RECORD: MONTH: JUL

70-07

										• • • • • • • • • • • • • • • • • • • •	•		
	14045 (LST)	1									MFAN   	101£L	• • • • • • •
1		10%	203		401	56%	492	762	*01	901		1 260	
ا اید ا	10-62	1 1 n · 2	150+0	155.0	102.1	99.5	47.7	٥3. ٦	59.5	21.5	A1.7	325	
1	13=45	130+3	176+3	133.0	107.3	49.7	97.4	97.0	65.7	27.5	94.1	386	
,	. 6 = C. 6	130.5	197. • 7	100.0	15 n. n	28.5	92.6	17.4	50.4	20.1	79.7	33(	
ļ	39-11	1 :42.3	100.0	99.9	44.0	81.7	53.9	23.7	14.1	4 . f.	p4.5	) } 0	
ì	114	133+7	190•0	19.0	86.3	60.1	34.5	45.0	6.7	2.2	56.1	3 € €	
	15-17	100.0	£100 € E	¥8.3	94.3	57.6	37.2	18.2	a.4	2.7	54.3	¢ 2 ¢	
	18-20	1,374.7	170.0	49.9	96. 5	92.1	t C • 1	34.9	17.6	4 . [	65.5	421	
Ì	21-27	107.7	195.9	100.0	94.0	98.2	51.5	11.7	43.1	17.4	77.2	927	
1	ZJAICT	100.0	130 • 0	19.6	95.3	34.7	71.2	53.6	33.2	11,0	77.6	7432	

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V

CT. KAL CLIMATCLOUY ORFACH O'AFRTAC AIX WEATHFP STRVICE/MAC COMBINATIVE PERCENTAGE F5: 40° NCY OF OCCUPPENCE F00M 4009LY 0951KVALIOGS

FELATIVE FUMINITY

5 (4) (4)	. W NUMPLE	7: 7:4196	STATION	74ME: 1	"CHETRE A	LFH NJ				PEPLOD CF MUNTE: AUM		7-H S	
	! + 00 KS     4   5   1	, 		AUT LAUF		y OF PEL					1 MEAN ;	TOTAL I	
	1			3*							[YTTU1MUH]		
AUS	1 1 13-03   1	tuo•n	132.7	152.0	137.7	99.5	90.7	88.3	60.5	21.4	H2 + 5	93(	
	3-25	130.7	130.0	150.0	101.0	100.0	97.2	*3.7	68.5	26.7	H4 . 7	93[	
	! ! '6-:#	1955-7	193.0	100.0	10 1.0	99.9	47.7	42.5	56.7	18.7	s1.2	93[	
	1 /9-11	120.0	134.7	130.0	98.5	99.7	64.7	39.7	16.3	4.0	66.4	931	
	114	153.7	100.0	99.5	97.5	64.7	35.3	17.°	7.3	1.5	57.2	031	
	1 15-17	153.3	100.0	+4 +2	87.2	67.2	29.5	^	9.9	3.1	57.4	926	
	   12	101.5	100.0	130.9	95.7	70.4	72.7	44.7	23.7	6.2	68.9	931	
	21-21	1 }	100.0	170.0	93.8	98.9	95.7	16	45.6	13.7	79 • /	925	
	I I I O TALS		170.7	99.8	96.4	87.7	74.5	57.6	36.0	11.9	72.1	7437	

LI HALI CULTMATOLIGSY RRANCH CUMBLATIVE PERCENTAGE FECUIONNY OF OCCUMBENCE RELATIVE FRMIDLET FROM HOLDLY OFSERVATIONS
STORMATOLIGE SERVECEZMAC

. 1111	nu mentrine i	H; ₹141	5 &	STALLCA	MWWE:	MCSUIR! A	Fis No.				PE^I/6 (f MUNTH: SE		7-86
,	149964				`C ' '4 I A 6 E	FIRE QUENC			"Iulty G			MEAN     MEAN	
			; t		3							HUMENITY	
·F	   'u-1'	1 12.	. 2	192.7	133.0	131.7	99.7	6 t , t	94.7	55.	14.1	4J.6	<b>4</b> 0€
	i 	! 1.1	• .`	133.1	1.0.0	137.1	99.9	96.2	0 1	52.4	10.0	42.7	9.75
	l Liib÷u∗i	! أند: أ	• .	1	1	10 1. 1	94.2	(-4 · E	63.7	44.4	16.2	n 7. *	94.9
	::	1 1	. )	100.0	156.0	96.4	82.6	5 = . 7	37.	18.6	4.7	55.4	a II (
	12-14	1 17:	• ~	170.0	14.3	81.4	56.9	3 4.4	44.3	9.0	1.7	t, 6, • *	10.0
	: [ 15-17	1 135	. 7	1200	- F - C	84. •	57.1	34.4	4	4.6	7.1	55.4	<b>५</b> ३६
	16-7-			: "	170.5	97.4	- 2 - 0	23.4	44.4	23.3	67	64.7	3 ) (
	1 11-27	} ! : %:	. ^	100.0	136.0	93	97.7	51.7	14.6	43.6	1.1+7	77.9	9_t
	t Etatzus	1 1 1 2	. 1	10.0	,0,0	94.7	85.2	12.5	56.7	34.9	9.4	71.1	1246

DE CAL CETMATHEORY HEAVISH DEALTAC ATT WEATHER STRVICEMMAC

COMMINATIVE PERCENTAGE FRICIOTHICY OF OCCUPAENCE FROM HOURLY UNSERVATIONS

METALIAE MANADILA

STATION NEMPER: 774794 STATION NAME: MODETRE AFR NU

PERIOD OF RECURD: 77-86 MUNTE: UCT

. . . . . . . . . . . . . . eci i u-u-100-7 175-7 100-0 91.2 94.7 13.2 41.2 11.0 77.4 م بـ **- د** . ا 101.0 100.5 100.0 135.0 95.5 1... 49.4 ,4.4 13.5 79.5 931 1 0-25 100.1 100.7 47. 1.3.2 95.7 99.3 44.4 76.-17.4 79.9 931 120.0 75.3 55.7 32.6 17.5 4.5 --11 100.0 .4.7 74.4 54.2 431 100.2 10...0 16.4 7 7. 7 50.2 43.5 16.3 9.2 3.1 53.0 931 15-17 1,;.-100.0 96.5 91. 32.3 17.7 9.9 2.7 55.0 93( 54.2 14-21 131.7 150.0 99.9 96.1 91.3 77.5 41.4 19.9 6R.3 931 .1-21 1 10.7 84.7 62.7 30.0 A . 7 93[ 123.5 130.0 94.7 97.5 14.5 itatele i 100.5 67.5 >( · ) 29.0 7 . F 59.3 97.4 744( 19.1 n3.7

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ULDIAL CLIMATCLOGY BRANCH ULBITAC AIR WEATHER SERVICE/MAC

CUMULATIVE FERCENTAGE FOR OUT NOT DECIDENTINE PLATIVE PRIMIDITY
FROM HOLMLY UPSERWATIONS

PERIOD OF RECURD: 77-86

STATION NUMBER: 704796 STATION NAME: MCGUIR! AFR NU

									M	ONTH: NO	V		
	FOUPS     (LSI)		PF	BOATWEST	FREQLENS	Y OF PEL	ATIV! H	MIULIY 6	RFATER T		1 MEAN   	1017L	· · · · · · · · · · · · · · · · · · ·
	i i	121	201	368	40.1	5u <b>t</b>	6.2%	791	91,1	99 <b>t</b>	[үтібімин]	296	• • • • • • • • •
MAA	   53+62   	100.7	1.10.5	100.0	9 % . 7	92.0	77.1	on. 7	37.c	15.4	74.7	R G S	
	3	100.0	100+7	190.0	97.7	96.2	F2.4	64.7	42.1	16.4	75.9	930	
	10-23	1,7.3	100.0	130.0	9 < 0	97.5	a 5 • 7	54.5	42.9	10.1	76.3	926	
	9-11	1,5.3	193.7	.9.9	95.0	80.4	60.7	42.6	26.2	F . 7	61.2	306	
	12-14	101.0	130.0	+6.4	81.5	57.6	3 = • 1	26.1	15.1	5.7	57.6	3CP	
	1 15-17	157.2	33.0	97.2	84.	59.4	45.5	27.7	16.1	5.4	59.7	ASE	
	13-20	100.2	110.0	,,,	9 - • 6	51.7	€1.7	40.0	24.6	₹.€	67.2	A y S	
	21-27	155.0	100.7	150.5	98. 7	59•≎	79.5	51.2	51.7	12.9	74.0	٥٥٤	
	TOTALS	ا 1 - سال	170.0	.9.2	94.2	81.7	64.5	47.1	29.5	11.1	64.5	719€	

ULDJAL CLIMATOLOGY PRANCH USAFETAC AIR WEATHER SERVICEZMAC

CUMULATIVE PERCENTAGE EPHQUENCY OF OCCUPRENCE RELATIVE HUMIDITY FROM HOURLY OPSERVATIONS

5 14110	ON NUMBER	1: 704096	STATION	NAME:	MCOLIRE AF	6 47				PERIOD OF MONTH: UFO		7-46	
MONTH!	HOURS     (LST)		p E i	RENTAGE	FREQUENCY		LATIVE HU				I MEAN ;	1011L	
		10.3	203	\$1.5		5 <b>J t</b>		733	80%		Y1101MUH		
eti. 2	   10+02	199.0	175.3	150.0	96.2	95.9	77.1	52.2	34.7	14.7	72 • 1	931	
	3-05	172.0	170.0	1.10.0	98.7	93.1	7 % • 1	57.5	34.6	14.3	73.4	976	
	'o-u	137.0	130.0	130.0	94.0	92.7	74.3	54.7	38.8	15.4	74.1	931	
	9-11	1 30 - 9	100.0	y9.7	95.3	61.1	63.6	41.1	26.4	17.9	67.7	931	
	12-14	130.0	49.4	96.6	84.4	59.7	47.3	26.5	16.7	7.9	59.0	17.6	
	15-17	ר.תנו	99 . 8	77.1	86.6	62.7	41.9	26.7	17.7	a . 4	50.0	931	
	1 :4-2:	120.0	100.0	95.4	95.3	81.2	63.5	38.4	25.4	11.7	66.9	¥3(	
	223	1.00 • 3	162.0	19.7	97.0	88.5	68.6	46.6	30.9	13.5	77.3	924	
	   TOTALS	נ. כנ. 1	100.0	39.2	94.4	81.2	62.2	43.5	28.2	11.5	67.9	7438	

AD-A188 317 MCGHIRE AFB NEH JERSEY REVISED UNIFORM SUMMARY OF SURFACE HEATHER OBSERVA. (U) AIR FORCE ENVIRONMENTAL FICHNICAL APPLICATIONS CENTER SCOTT A. DEC 87 F/G 4/2 NL



WE HOSSIPY RESOLUTION THESE CHART

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GLOEAL CLIMATOLOGY RRANCH USAFETAC AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM MOURLY OPSERVATIONS

RELATIVE HUMIDITY

TA 1 16	N NUMBER	124696	STATION	NAME:	MCGUIRE 0F	B NJ				PERIOD OF MONTH: AL		7-87
NTF	+0URS   (LST)	• • • • • • • • • • • • • • • • • • • •			FREQUENCY						MEAN    RELATIVE	TOTAL
••••	ļ	103	20%	362	402	56%	631	198	801	908	HUMIDITY	085
i Na	ALL	100.0	100.0	99.2	9 2 • 9	76.7	55.2	36.1	22.6	17.8	65.3	743E
Eb	į	130.0	100.0	99.1	91.8	73.2	51.7	36.7	24.9	12.0	64.7	6766
AR		100.0	99 . 6	95.4	84.€	68.0	52.7	57.7	25.3	12.3	63.2	7435
PF		100.0	99.7	93.4	82.0	69.4	55.7	40.6	26.2	12.0	63.7	7230
AY		100.0	100.0	56.5	8.33	74.1	60.7	45.1	28.5	9.8	66.0	743E
บผ		100.0	106.0	58.6	9 C+ P	77.0	61.7	45.4	27.8	8.4	66.8	719€
		100.0	100.0	99.6	95.3	84.7	71.2	53.6	33.2	11.9	70.6	7432
υc	ł	1.40.0	100.0	99.8	96.9	87.7	74.5	57.6	36.0	11.9	72.1	7437
EP-		100.0	100.0	99.5	94.7	85.2	72.5	56.7	34.9	9.4	71.1	7201
C T		100.5	100.0	99.1	93.8	83.7	69.5	50.0	28.0	7.8	69.7	744[
c v		150.0	100.0	99.2	94.2	81.7	64.6	47.1	29.5	11.1	68.5	719€
t.c		105.6	160.0	59.2	94.4	81.2	62.9	43.5	28.2	11.9	67.9	7436
i	! ! TOTALS	130.5	99.9	48.2	91.5	78.6	62.7	45.8	28.8	17.8	67.4	07619

GLOSAL CLIMATOLOGY RRANCH USAFETAC AIR -EATHER SERVICE/MAC

DPY-BULB TEMPERATURES DEG F FROM HOURLY DESERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PEPIOD OF RECORD: 77-87

OURS! STATS !	JAN	FEB	MAR	APR	МАЧ	JUN	JUL	AUG	SEP	OCT	NOV	[ EC	ANN
J MEAN J 7-021 SD   TOT OBS!	28.0 10.091 930	29.7 9.441 846	37.5 8.933 930	46 . 3 7 - 8 25 9 DG	56.1 7.537 930	64.0 6.363 898	69.6 5.630 930	68.5 5.696 930	52.0 8.097 990	51.7 8.642 933	44.1 8.999 900	34.7 10.474 930	49.4 16.470 10954
MEAN    -05  SD    101 GBS	27.2 10.434	28.4 9.945 846	36 - 2 9 - 123 930	44 .5 7 .8 84 9 00	54.6 7.737 930	62.3 6.517 899	68.0 5.090 930	67.1 6.210 930	40.5 8.396 900	50.5 9.141 930	42.9 9.223 900	33.6 10.696 930	46.1 16.456 10955
HEAN   6+08  SD    Tot obs	26.8 10.577	28.1 10.175 846	36.9 9.373 930	46 .9 7 .9 82 9 20	58.6 7.596 930	66.8 6.258 930	71.5 5.760 930	69.7 5.993 930	62.4 8.190 930	51.3 9.037 930	42.9 9.200 930	33.2 10.799 930	49.7 17.726 10956
MEAN   9-11  SD   	30.6 9.858 930	33.0 10.093 846	43.5 10.366 930	54 •5 9 •1 ē1 9 00	66•2 8•485 930	74.3 7.192 90J	79.1 6.160 935	77.5 5.922 930	76.7 7.585 900	59.5 8.185 930	48.8 8.891 900	37.6 10.137 930	56.4 18.867 10956
MEAN   2-14  SD    TOT 055	34.2 9.574 930	37.2 10.332 846	47.9 11.065 930	58 • 7 19 • 9 35 9 00	70.3 9.372 930	78.3 7.893 920	63.2 6.897 930	P1.6 6.399 930	75.1 8.206 900	64.1 8.619 930	53.1 9.228 900	41.4 10.256 930	60.5 19.143 10956
MEAN   5-17  SD     TOT OBS	73.9 9.416	37.6 9.836 846	48.3 10.800 932	58 .9 10 .0 91 9 06	73.3 9.307 933	76.1 7.775 900	6.865 930	Я1.G 6.45 929	74.7 8.290 930	63.2 8.433 930	51.9 8.977 900	40.6 10.194 930	60.2 19.626 10955
MEAN     SD   SD     TOT OMS	30.6 9.393 930	33.7 9.032 346	43.5 9.525 929	53 •7 8 •7 52 9 CJ	64.5 8.578 930	72.6 6.996 909	77.9 6.235 928	75.3 6.193 930	67.9 7.943 970	56.5 8.145 930	47.4 8.378 920	37•1 9.935 930	55.1 18.023 10953
MEAN   1-23  SD     TOT ORS	23.9 9.731	31.3 9.713 345	39.9 8.841 930	49 .0 7 .8 19 9 F3	56.9 7.609 930	60.7 5.479 899	72 • 1 5 • 4 1 9 7 2 7	70.5 5.565 929	63.7 7.843 900	53.1 8.346 933	45.3 8.828 930	35.5 10.247 93g	51.3 16.715 10950
MEAN   ALL   SO   OURSITOT OUS!	₹7.5 10.243	32.4 10.334 6767	41.7 19.772 7439	51 -5 10 -2 18 72 00	62.4 10.147 7440	7J.4 9.644 7196	75.5 8.277 7435	73.9 8.387 7438	67-1 9-744 7270	56.2 10.003 7443	47.G 9.698 7230	36.7 10.725 7440	53.9 18.420 87635

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEC F FOOM HOURLY DBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PEPIOD OF RECORD: 77-87

HOURS! STATS	JAN I	FEB	MAR	AP P	MAY	JUN	JUL	AUG	SEP	oc t	NOV	PEC	ANN
MEAN		27.2	34,2	42 +4	52.3	59.8	65.9	65.1	58.6	48.3	43.7	31.9	46.1
00-02  SD		9.671	9.017	7 +8 41	7.905	6.561	5.781	6.102	8.357	9.090	9.393	10.548	16.246
1701 ORS		946	93u	9 00	930	898	929	930	900	930	879	930	10952
MEAN     7-95  SD     TOT ORS	24.8 1 10.447	26.1 1J.124 846	33.2 9.238 93.	41 -2 7 -9 96 9 20	51.3 8.227 930	56.8 6.821 899	64.9 6.156 930	64.2 6.618 930	57.5 8.715 900	47.5 9.412 930	39.9 9.517 900	31.3 10.753 929	45.2 16.357 10953
MBBM     NS   8C+3   280 TOT	24.5 10.615	25.9 10.368 946	33.7 9.346 93.1	43 •0 7 •9 26 9 00	54.0 7.869 930	61.8 6.309 900	67.2 5.621 930	65.9 6.195 930	58.9 8.454 900	48.2 9.266 930	39.9 9.409 900	30.8 10.799 930	46.3 17.137 10955
1 MEAN 1.9-11 SU (TOT OBS)	27.4 9.813	29.4 10.384 846	37.9 9.531 93u	47.3 8.141 900	57.8 7.88J 930	65 • 1 6 • 6 1 2 900	70 • 4 5 • 4 ∪ 7 9 3 0	69.5 5.67C 930	63.2 7.485 930	53.J 0.345 933	44.0 8.942 900	34.0 10.192 930	50.0 17.016 10956
HEAN	_	32.2	4J.5	49.3	59.4	66.3	71.4	70.5	44.5	54.8	46.0	36.2	51.8
12-14  SD		9.719	9.374	8.041	7.856	6.477	5.435	5.595	7.422	8.292	8.808	9.900	16.436
FOT OBS		845	93J	900	930	900	930	93C	900	930	900	930	10954
MLAN	29.6	32.4	43.7	49 • 3	59.2	66+3	71.1	70.0	64.2	54.2	45.1	35.6	51.5
15-17  SD	1 9.335	9.257	9.309	7 • 8 42	7.757	6+332	5.231	5.448	7.349	8.213	8.776	9.926	16.285
TOT OBS	1 930	346	93u	9 CC	930	900	929	928	970	930	898	930	10951
MEAN	77.4	79.5	37.9	46 •6	56.6	£3.8	69.4	68.3	61.7	51.2	42.7	33.5	49.1
19-20  SD	9.506	9.137	8.854	7 •6 ?9	7.671	5.973	5.27a	5.63C	7.693.	9.429	8.993	10.026	16.416
TOT 0"S	929	846	929	9 ( U	928	900	928	93C	930	930	899	930	10949
MEAN	20.2	28.4	35.9	44 .1	53.9	61.3	67.2	66.1	49.6	49.1	41.4	32.4	47.2
C1-23  SD	9.816	9.244	6.766	7 .7 21	7.671	6.13a	5.378	5.866	7.979	9.631	9.330	10.301	16.202
FOT ORS	930	845	935	9 00	930	899	927	929	900	933	980	929	10949
ALE   SD FOURSTTOT ORS	26.9   13.369   7436	28.9 9.991 6766	36 + 8 9 + 544 7439	45 • 4 8 • 4 19 72 00	55.6 8.375 7438	62.9 6.911 7196	6 - 0 G 2 74 3 3	57.4 6.310 7437	61.0 6.340 7200	50.8 9.135 7440	42.5 9.408 7196	33.2 10.469 7438	48.4 16.690 87619

GLOSAL CLIMATOLOGY BRANCH LSAFETAC AIR JEATMER SERVICE/MAC DE.-POINT TENSERATURES DEG F FROM SNOTTAVBSECVITON MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ

PE 2100 OF PECORD: 77-87

LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	₽€C	ANN
	MEAN 1 SD [ TOT OBS]		27.4 13.273 346	28.1 12.195 93u	37 • 3 10 • 2 37 9 00	49.7 9.871 934	56.6 8.041 898	63.6 6.784 929	62.9 7.160 930	55.9 9.613 900	44.7 17.589 930	35.9 11.864 899	26.2 13.45g 93G	41.7 16.906 10952
3-051 /	MEAN   Su   101 035	17.9 13.962 929	19.7 13.509 946	27.5 12.515 930	36 •8 10 •1 42 9 00	48.1 10.054 930	56.1 8.369 899	63.3 7.949 933	62.3 7.509 930	95.1 9.876 900	44.2 19.752 93J	35.5 11.683 930	25.8 13.529 929	41.1 18.941 10953
  86-95	MEAN 1	17.8 14.315 929	19.5 13.80J 846	27.7 12.512 936	37.9 10.395 900	49.7 10.137 935	58.2 7.975 900	64.7 6.639 933	63.6 7.164 930	56.2 9.708 970	44.3 10.629 93J	35.7 11.386 90 ₀	25.5 13.487 930	41.9 19.495 10955
19-11	101 035	17.5 13.597 930	21.1 13.892 346	29 • ± 12 • 9 9 8 9 3 u	38.9 11.375 910	50.8 10.999 930	59.1 8.933 933	55 • 6 7 • 1 5 0 9 3 0	65.0 7.356 93 ₀	58.0 9.684 900	46.8 10.938 930	37.7 11.633 900	27.1 13.585 930	43.3 19.533 10956
12-141	MEAN   50 101 085	2J.2 13.472	22.0 13.515 845	29.7 12.992 930	39 +0 11 +4 09 9 70	50.6 11.186 930	56.7 8.975 973	65.1 7.406 930	54.3 7.664 930	57.3 10.074 900	46.1 11.457 933	37.3 12.194 900	27.1 13.746 93 ₀	43.2 19.236 10954
15-17  	PEAN   50   101   025		22-1 13-185 646	29.6 12.636 93u	38 +6 11 +4 72 9 30	50+1 11+300 930	58.2 8.644 97J	64.8 7.315 929	63.7 7.676 928	57.0 10.021 900	45.8 11.363 93)	36.7 12.274 898	26.8 13.880 930	42.9 19.130 10951
19-2.	SD 1	19.3 13.430 929	21.5 13.017 846	29.2 12.453 929	38 +1 11 +0 95 9 00	49.6 10.652 928	57.7 8.375 920	64.7 6.968 928	63.8 7.129 930	57.2 9.553 900	45•8 13•575 933	36.4 12.156 899	26.5 13.588 930	42.6 19.078 10949
. 1-23	MEAN   SD   IOT ORS	13.6 13.557 30	21.1 12.958 845	29.1 12.116 93u	38 • C 1 0 • 7 1 3 9 CU	49.3 9.904 930	57.3 7.920 899	64.3 6.544 927	63.4 7.041 929	56.5 9.413 970	45.0 10.281 930	36.0 12.146 900	76.2 13.476 929	42.2 18.920 10949
۸ <u>ر</u> ا	PEAN !	19.0	20.9 13.423 6766	20.8 12.625 7439	38 .1 10 .8 85 72 ; u	49.6 10.558 7438	57.7 8.419 7196	64 • 5 7 • ∪ 28 74 3 3	63.6 7.378 7437	56+6 9 <b>-774</b> 7200	45.4 10.853 7440	36.4 11.938 7196	26.4 13.598 7438	42.4 19.170 87619

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# PRESSURE SUMMARIES

# STATION PRSSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

# SEA LEVEL PRESSURE SUMMARIES

DATA GERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOGAL CLIMATOLOGY BRANCH USAFLTAC AIR LEATHER SERVICE/MAC

STATION PRESSLAE IN INCHES HS FROM POURLY DESERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

.ST		JAN	FCB	MAR	APR	MAY	JLN	JUL	AUG	SEP	001	NOV	EEC	ANN
		29.863 .312 310	29.937 267 282	29.852 -271 31J		29.820 -171 310		29.d32 -132 313	29.875 -122 310	29.918 -159 300	29.935 -219 310	29.935 -252 300	29.922 .275 310	29.873 .227 3652
14	MEAN     SU    TOT ORS	29.864 .315	29,953 270 202	29.839 .275 31J			29.811 .162 370			29.912 .166 300	29.931 -220 310	29.932 .251 300	29.927 .274 310	29.868 .229 3652
7	MEAR     50     TOT OUS	29.877 .315 310	29 • 92 3 • 27 4 28 2	29.367 -277 310	29 .8 20 •2 42 3 00	29.843 •174 310	29.836 •167 323	29.854 •133 •10	•126 310	29.9 ¹ 5 .174 300	•223 31J	.251 300	29.945 .271 310	29.892 .231 3652
	MEAN     SD    TOT OBS	29.933 .314	29 • 94 3 • 27 9 28 2	29.878 •283 51u	29 .8 21 .2 47 3 LO		29.636 •163 310		29.899 .128 310	29.945 .193 300	29.964 •231 310	29.968 •251 300	29.973 •271 310	29.902 .239 3651
	MLAN   SP     TOT OPS	29.943 -315 -310	29 . 89 8 . 2a 3 2a 2		29.788 -242 300	29.815 .176 310	29.612 -166 303	29.834 .134 315	29.877 -127 310		29.922 ,233 310	29.921 •243 300	29.919 .266 310	29.865 .231 3652
	I SD I		29.876 -274 282	•27u	•2 36 3 CG	•174 310	29.797 .161 300	•136 310	.124 31C	•162 370	.232 310	•234 300	29.914 .261 310	29.649 .229 365
, 7	1 MEAN   1 30   1 tot 045	29.862 -311 -313	29.923 .268 262	29.83u •263 31u	29 .7 75 .2 32 3 00	29.798 .170 310	29.795 .156 200	79.012 .133 309	29.858 .120 310		29.928 .231 31J	29.933 -232 300	29.935 .262 310	29.86 .22( 365)
2	J MEAN   I SD   ITOT O⊗S	29.969	29.914 -265 282		29.862 .232 300		29.822 •154 310			29.923 -155 300	29.945 .228 31J	29.937 •240 300	29.936 .267 310	29.87 •22 365
	MEAN     SD    TOT ORS	29.864	29 • 998 • 272 2256	29.645 .274 2480	29 .7 95 .2 38 24 00	29.818 .174 2479	29.014 •162 2470	29.633 .134 2478	29.875 .125 .2480	29.918 .166 2430	29.935 .227 2480	29.936 .244 2400	29,934 .269 2480	29.871 -230 2921

ULOCAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN MGS FROM ENDITAVRASER Y DUDY

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PETIOD OF PECORD: 77-87

FOLRS LST	STATS	JAN	FEB	MAR	APE	МАЧ	Jun	JüL	AUG	SEP	oct	NOV	DEC	ANN
וי	50    101   005		9.137 232	1010.4 9.233 31u	1014.6 7.932 3.30	1015.2 5,813 313	1015.0 5.446 239	1015.6 4,494 310	4.164 310	101a.5 5.419 390	7.440 310	1019+1 8-584 300	9.386 310	1017.0 7.751 3651
14	I SD I	1316.8 10.763 310	1318.1 9.225 282	1015.9 9.374 310	1014+3 8+006 300	1015.0 5.921 310	1014.9 5.520 300	1015.5 4.533 310	1016.8 4.233 310	1018.3 5.638 300	1019.0 7.458 310	1019.0 8.573 300	1018.9 9.358 310	1016.9 7.828 3652
.7	MA3M     dz    280 tot	1017.3 10.755 310	1313.9 9.362 282	1016.9 9.447 31u	1015 .2 8 .2 39 3 0	1016.0 5.963 310	1015.7 5.669 300	1:316 • 3 4 • 5:32 310	1017.7 4.309 310	1019.2 5.907 370	1019.8 7.569 317	1019.7 8.534 300	9.259 310	1617.7 7.881 3652
1 )	I MEAN !	1018.1 10.740 313	1319.4 9.539 292	1;;17+2 9+655 314	1015 • 2 8 • 4 04 3 00	1316.0 5.990 310	5.722 300	1016.4	1017.8 4.352 31c	1019.4 6.221 370	1020.1 7.851 310	1023.3 8.527 300	1020.5 9.245 310	1018-0 8-024 3652
13	I MEAN   I SD   Itot ors!	1016.1 10.762 310	1018-0 9-557 282	1015.9 9.524 316	1014 •1 8 •2 73 300	1015.3 6.327 310	1014.9 5.674 299	1015.6	1017.1 4.336 310	1016.4 5.690 300	1318.6 7.921 310	1018.7 8.269 300	1018.7 9.062 310	1016.7 7.894 3651
10	MEBM     02     290   101	1015.8 10.584 310	1017.2 9.331 2a2	1014.8 9.221 310	1013+1 8+082 310	1614.1 5.966 310	1014.0 5.505 370	1314.7 4.642 310	1016+2 4+234 310			1018.3 7.973 300	1016.5 8.901 310	1C16.0 7.786 3652
19	MLAN T	1016.8 10.631 310	1018+1 9+153 262	1315.6 8.986 314	1013.7 7.953 370	1014.5 5.814 310			1016.5 4.103 31C		1018.9 7.851 31J	1019-1 7-910 320		1016.6 7.715 3051
7,7	I MEAN     SP    TOT ORS	1017.0 10.638 310	1013.5 9.045 2e2	1316.3 9.847 31.	1014 -6 7 -9 28 370	1015.3 5.763 310	5 • 244 3 ņ ŋ	4.462	1017.3 4.382 310	5 • 287 300	1019.5 7.767 310	1019.2 8.176 300	9.123 310	1017.2 7.674 3651
ALL	I MEAN !	1016.8		1015.1					1017.0 4.255 2480		1019.1 7.733 2480	1019.2 8.329 2400		1017.0 7.845 29212

# DATE FILMED